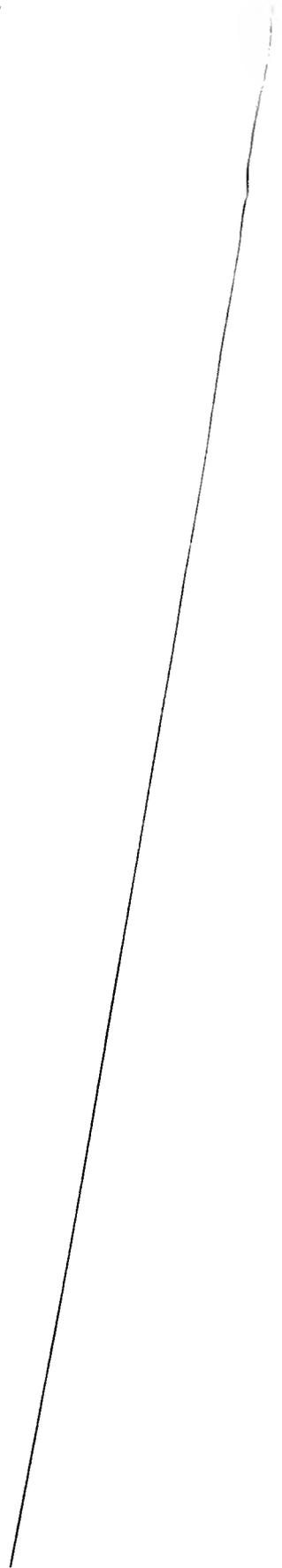


me 26/12
of 05.
freemurder



CAPE ASTROGRAPHIC ZONES.

VOL. IV.

CATALOGUE OF RECTANGULAR
CO-ORDINATES AND DIAMETERS
OF STAR-IMAGES

DERIVED FROM PHOTOGRAPHS TAKEN AT
THE ROYAL OBSERVATORY, CAPE OF GOOD HOPE.

COMMENCED UNDER THE DIRECTION OF
SIR DAVID GILL, K.C.B., LL.D., F.R.S., ETC.,
FORMERLY H.M. ASTRONOMER AT THE CAPE.

COMPLETED AND PREPARED FOR PRESS UNDER THE SUPERVISION OF
S. S. HOUGH, M.A., F.R.S.,
H.M. ASTRONOMER AT THE CAPE.

ZONE -44°

182491.

13.7.23.

*Published by Order of the Lords Commissioners of the Admiralty in obedience to
His Majesty's Command.*

LONDON :
PRINTED AND PUBLISHED BY
HIS MAJESTY'S STATIONERY OFFICE.

To be purchased through any Bookseller or directly from
H.M. STATIONERY OFFICE at the following addresses :
IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1 ;
37, PETER STREET, MANCHESTER ; 1, ST. ANDREW'S CRESCENT, CARDIFF ;
23, FORTH STREET, EDINBURGH ;
or from EASON & SON, LTD., 40-41, LOWER SACKVILLE STREET, DUBLIN.

1916.

[*Crown Copyright Reserved.*]

Price £5 0s. 0d. Net.

CONTENTS.

	PAGE
INTRODUCTION TO VOLUME IV.	v
§ I. GENERAL.	v
§ II. INSTRUMENTAL ADJUSTMENTS, ETC.—	
(a) The Photographic Telescope.	v
(b) The Guiding Telescope	vi
(c) The Réseau	vii
(d) The Plates	viii
(e) The Measuring Apparatus	viii
(f) Errors of the Micrometer Screws	x
§ III. MEASUREMENT OF THE PLATES	x
§ IV. PRELIMINARY REDUCTION OF RECTANGULAR CO-ORDINATES	xiii
§ V. CORRECTIONS FOR REFRACTION AND ABERRATION	xv
§ VI. COMPUTATION OF TABULAR CO-ORDINATES OF THE STANDARD STARS	xvii
§ VII. DETERMINATION OF PLATE CONSTANTS	xix
§ VIII. INTERCOMPARISON OF PLATES	xxiii
§ IX. CONTROL OBSERVATIONS	xxv
§ X. PERSONAL	xxvii
§ XI. LIST OF PLATES.	xxix
§ XII. FORMULÆ FOR THE CONVERSION OF CO-ORDINATES	xxxiii
EXPLANATION OF THE CATALOGUE OF RECTANGULAR CO-ORDINATES, ETC.	xxxvi
ERRATA	xxxviii
RECTANGULAR CO-ORDINATES, 1900·0, FOR ASTROGRAPHIC ZONE — 44°	1—482

INTRODUCTION

TO

VOL. IV.

§ I.—GENERAL.

A general description of the work pertaining to the Cape zones of the "Carte du Ciel" Catalogue is contained in the Introduction to Vol. I. of this series.

The present volume contains the results of measures derived from plates having their centres on the declination circle— 44° , which have been treated in all respects in a similar manner to those dealt with in the previous volumes.

For fuller detail, reference may be made to this general description, only such parts being repeated here as require modification for each particular zone, or which are considered essential in explanation of the contents of the volumes.

§ II.—INSTRUMENTAL ADJUSTMENTS, Etc.

(a) THE PHOTOGRAPHIC TELESCOPE.

A description of the photographic refractor is given at p. 120 of the *History and Description of the Cape Observatory*, and it will be sufficient here to state the following details :—

The equatorial mounting is of the German type, carrying two parallel telescopes securely braced together by rigid cast-iron flanges near their ends.

The main photographic telescope is of 13 inches aperture and $11\frac{1}{4}$ feet focal length, giving pictures very approximately on a scale of 1' of arc to a millimetre.

The breech piece of the telescope carries the plate holder mounted in such a manner that the latter can be easily removed and quickly replaced so as to return accurately to the same position. The photographic plate in its turn is held in this holder with spring pressure against six bearing points, three of which serve to define its plane, and the remaining three its position and orientation in that plane.

A second plate carrier, with bearing points in exactly similar positions in relation to the plate, is used for impressing on the plate the réseau used for purposes of measurement. Thus the intersection of the central réseau lines should define a point which is "fixed" in relation to the breech end of the telescope.

By removing the plate carrier and replacing it by a small aperture coinciding with this fixed position, the object glass, as a whole, was centred on this small aperture in the usual manner.

To adjust the plate perpendicular to the optical axis, the plate was replaced in its carrier by a plane mirror on which this centre was duly marked by removal of a small circular patch of the silvering. A small glow lamp was placed in a central position outside the object glass and its reflected image in this mirror viewed through the objective. The tilt of the mirror was then regulated by the available adjusting screws until the lamp, its image, and the centre mark on the mirror were in alignment.

The mounting of the breech end permits of a small rotation of the plate holder, by which the central réseau lines may be accurately adjusted respectively along, and perpendicular to, an hour circle. This adjustment can be tested by allowing a star image to trail across the sensitive plate with the driving clock stopped and measuring the distance of the impressed trail from an adjacent réseau line at two points symmetrically situated near opposite edges of the plate.

These adjustments, when once made, were found to possess all necessary stability, and have been occasionally verified when it has been necessary to dismount the object glass for cleaning, or otherwise displace any of the essential working parts.

The focal adjustment was selected so as to give the sharpest definition for stars at about 40 mm. distance from the centre of the plate, and was found to remain sufficiently permanent. The readings of the focussing scale (divided in millimetres) have, however, been slightly varied from time to time as follows:—

1897	November	4.	Focus set at	..	..	..	..	..	mm.
1898	September	26.	„ altered to	..	..	..	..	..	21·5
1899	November	7.	„ „ „	..	..	..	..	..	21·0
1902	February	14.	„ „ „	..	..	..	..	..	22·0
1905	June	23.	„ „ „	..	..	..	..	..	21·0
1906	September	5.	„ set at	..	..	..	..	..	21·5
1910	February	3.	„ altered to	..	..	..	..	..	22·0
									21·5

(b) THE GUIDING TELESCOPE.

The second, or guiding telescope, is of 10 inches aperture and the same focal length as the photographic telescope. Its breech end carries an eye-piece mounted on two slides at right angles to the axis of the telescope and to one another, so as

to extend the field of view accessible at any one setting of the instrument. These slides are adjusted respectively parallel and perpendicular to an hour circle. The centre of the field of view of the eye-piece is defined by cross spider webs mounted on a frame which travels with the eye-piece, while its position in relation to the field of the objective is ascertained by means of two verniers travelling with the eye-piece and reading against fixed scales divided in millimetres.

The readings on these scales, which correspond with the centre of the field of the telescope, are found to be subject to slight fluctuations though stationary over short intervals. They are accordingly ascertained from time to time by direct experiment. The scales are set to a reading at or near the estimated centre and the guiding telescope is then directed to a bright star, which is placed accurately at the intersection of the cross webs by means of the equatorial movements of the whole apparatus. A plate is then exposed in the photographic telescope and impressed with a *réseau* in the usual manner. If the scale readings have been correctly selected the image of the star should appear at the intersection of the central *réseau* lines. Its displacements from this position measured in millimetres in two directions at right angles, corresponding with the direction of the two eye-piece slides, determine the amounts by which the estimated readings require to be corrected.

In photographing any field, a suitable star within the field and not too far from the centre is selected, and its rectangular co-ordinates in millimetres in relation to the desired centre on an ideally adjusted plate are computed. The eye-piece is then displaced from its central position by amounts, measured on the eye-piece scales, which correspond with these rectangular co-ordinates, and previous to exposure of the plate the guiding telescope is directed so as to place the image of the guiding star in coincidence with the intersection of the cross webs.

This coincidence is maintained during exposure either by the clock movement or, if necessary, by slight hand corrections by means of a slow motion screw in declination and a differential gearing operating in the clock movement in right ascension.

(c) THE RÉSEAU.

The *réseau* consists of a sheet of silvered plate glass, of the same surface dimensions as the plates in use, on which two series of fine equi-spaced parallel lines have been engraved in a dividing engine, so as to remove the silvering along these lines. The two series of lines are respectively at right angles, and the lines of each series are spaced at intervals of 5 mm.

A photographic copy of the *réseau* is impressed on each plate by placing the plate in a special carrier, so that its sensitive surface is almost in contact with that

of the silvered surface of the réseau. The light from a small electric lamp, after being rendered parallel by passage through an object glass of 9 inches aperture, is then made to fall on the réseau and through the ruled apertures on to the sensitive film below.

The practice has been throughout to imprint the réseau either immediately before or immediately after exposing the plate in the main telescope.

In connection with the present programme, four different réseaux have been used, viz. :—

Gautier No.	51	from	1897	December	7	to	1899	July	11.	
"	"	?	"	1899	July	12	to	1901	October	30.
"	"	61	"	1901	October	31	to	1902	June	11.
"	"	50	"	1902	June	12	till	completion	of	work.

These réseaux are referred to hereafter as G 51, Gx, G 61, G 50, the distinguishing number originally engraved on the second of them having been obliterated before use.

The division errors of the scales of these réseaux have not been subjected to direct investigation. A careful investigation of the réseau G 8,* which is similarly ruled by the same maker and probably in the same dividing engine, indicated that a very high degree of precision could be expected in the ruling, while the indirect tests furnished by the agreement of the results derived from different plates which overlap in a complex manner have confirmed this sufficiently satisfactory result.

(d) THE PLATES.

Except during the interval 1903 July 8 to 1904 July 20, the plates in use have been the "Ilford Special Rapid" with three exposures of durations 6 m., 3 m., and 20 secs., the guiding telescope being displaced by 1 mm. to the North between exposures. Between the dates above mentioned "Ilford Monarch" plates were used and the exposures reduced by one-half. A return was, however, made to the Special Rapid plates on account of their finer grain.

The developer employed was Eikonogen-Hydroquinone previous to May 1901, and subsequently Amidol.

(e) THE MEASURING APPARATUS.

The apparatus in use for measuring the plates has been described in detail in *Monthly Notices*, vol. lix., pp. 61-72. Two such instruments, distinguished hereafter as Micrometer I. and Micrometer II., have been employed.

The pairs of close webs which form the outer square are mounted on fixed frames, and the two further sets of close parallel webs on sliding frames, whose

* Gill and Jacoby, *Acta Societatis Scientiarum Fennicae*, xxiii, No. 5.

positions are governed by two micrometer screws permitting motion of these sets of webs bodily in a direction perpendicular to their length.

The reticule admits of adjustments to ensure—

- (1) that the opposite sides of the outer square shall be rendered strictly parallel and at a distance apart corresponding to the space traversed by either set of moving webs in 10 revolutions of the micrometer screw ;
- (2) that the adjacent sides of the square shall be strictly perpendicular ;
- (3) that the moving webs shall be strictly parallel to the corresponding sides of the square ;
- (4) that the zero reading of the screws shall correspond exactly with 0 rev. or 10 rev. when the moving webs are brought into symmetrical coincidence with one or other of the sides of the fixed square.

The photographic plate is mounted on a stage beneath the microscope, which is carried on two slides at right angles to one another, so that any portion of the plate may be brought within the field of view of the microscope.

By sliding the microscope bodily in the direction of its axis, the focus may be adjusted so that the image of the plate is in the same plane as the reticule, and, by a similar motion of the objective alone, the scale of the image may be adjusted so that the distance between adjacent *réseau* lines corresponds with the length of the side of the outer square.

Further, the plate may be rotated in its carriage and the microscope rotated about its axis until both the *réseau* lines and the webs are parallel to the slides on which the plate carrier is mounted.

Thus a square of the *réseau* may be adjusted to coincidence with the outer square of fixed webs, while the two sets of moving webs are made to intersect symmetrically on a star image.

The readings of the micrometer screws then represent the rectangular coordinates of this star image expressed in screw revolutions, or tenths of a *réseau* interval, as unit, and referred to the sides of the fixed square which correspond with the readings 0 rev. as axes.

Except when the instruments have been dismantled for cleaning, their adjustments have remained remarkably steady, and, with the exception of an occasional adjustment of the zero reading of the micrometer screws, when once made they could in general be left for months on end without further attention.

The change in zero reading, necessitating constant readjustment, was particularly noticeable in relation to the vertical screw of Micrometer II. about the middle of the year 1907. The slightly rounded conical point of the screw bears

with spring pressure against an agate plane. The tracing of a similar defect in another micrometer of like construction led to an examination of this end bearing in October 1907, when it was found that the jewel was split and that the sharp edges of the crack were exerting a grinding action on the point of the screw, giving rise to rapid wear. The end bearing was replaced temporarily by a hard steel disc, and later, in July 1908, the jewel was renewed.

(f) ERRORS OF THE MICROMETER SCREWS.

An investigation of the errors of the micrometer screws is contained in Vol. I. It is there shown that, though the errors due to wear are considerable, their resultant effect on the mean of readings made in opposite orientations of the plate is negligible. Accordingly no corrections on this account have been applied to the observations.

§ III.—MEASUREMENT OF THE PLATES.

The plates, before being passed for measurement, were examined to ensure—

- (1) that the photographic images were sufficiently sharp and round. Plates with markedly diffuse images, due to unfavourable atmospheric conditions, or with elongated images due to faulty guiding, were rejected ;
- (2) that the region had been correctly identified. This was effected by a comparison of a few of the brighter stars with positions as catalogued in the C.P.D. ;
- (3) that the guiding star appeared in its correct position with an error not exceeding $0'.5$ in either co-ordinate ;
- (4) that the réseau had been duly impressed with suitable intensity ;
- (5) that there was a sufficiency of stars shown on the plate. As a rough test C.P.D. stars of mag. 9.0 should be shown by the third or 20 sec. exposure. In the revised series of plates the sufficiency of exposure was, however, frequently gauged by a comparison with the earlier series, taken on the same area, referred either to the same or to an adjacent centre ;
- (6) that there were no other defects either of film or treatment, etc., which called for repetition of the plate.

The next operation was to mark with an ink mark on the back of the plate the stars which had been selected as standards. These stars were selected from the original series of plates and were designed to give an average of about ten stars

on each plate, distributed as uniformly as possible over the area of the plate, and of such magnitude as to give well-defined sharp images on the plates, while at the same time they should be not too faint for accurate observation with the meridian circle. The selected stars are those contained in the *Cape Catalogue of 8560 Astrographic Standard Stars for the Equinox 1900*.

The plate was then placed in the measuring machine, first with the edge marked "A" on the réseau at the top, or in a position corresponding with the "black scales." This implies that the numbering of the lines of the réseau square brought into the field of view could be read off by means of the black figures engraved on the indicating scales. The small indices reading against these scales admit of slight adjustment to adapt them to the particular setting of the plate, and the only further adjustment usually necessary is that for the orientation of the plate, in order to render the réseau lines strictly parallel to the slides on which the plate carrier moves, and to the fixed spider webs in the field of the microscope.

Two observers now take part in the work, one handling the instrument and the other acting as recorder, the observers alternately relieving one another.

The observer at the instrument starts with the row of squares contained between the lines numbered 55, 54 and sweeps these under the microscope in order, proceeding in the direction from 2 to 26 in the horizontal scale. When a square is reached containing images of one or more stars, this square is brought into exact coincidence or symmetry with the square of "fixed" webs contained in the field of view of the measuring microscope by means of the coarse motions governing the motion of the plate, and subsequently by means of the fine motions operating on the micrometer box. As a rule only the images resulting from the longest exposure (6^m.) were measured. Exception was made in cases where this image was disfigured by a flaw on the plate or otherwise; in this case the second image was measured, and a reduction derived from comparison with neighbouring stars applied to reduce to the first-image system.

After adjusting the square the observer at the instrument reads off the numbers of the réseau lines of the square pointed on, *e.g.*,

54-55. 7-8.

and these are duly entered on a form by the recorder.

The observer then points the movable webs in turn on the image of each star contained within the square, proceeding in order from left to right in the field of view.

After each setting, the two micrometers are read by the observer, and an estimate of the diameter of the star-image is made. For the brighter stars this estimate is expressed in terms of the space between the close sets of parallel webs

contained in the micrometer as unit, and this forms a convenient means of discriminating the stars' magnitudes, but the method is not equally satisfactory for the fainter stars. Below a certain degree of brightness which yields a diameter corresponding with about $\cdot 6$ of the unit involved, all stars give images of sensibly equal dimensions, but showing marked contrast in the degree of intensity. For such stars an estimate of the intensity of the image is recorded instead of a measurement of the diameter. Five different degrees of density have been recognised, and these have been indicated by the numbers -1 , -2 , -3 , -4 , -5 . -1 indicates that the star image only just fails to attain the full density of the images of the brighter stars on the plate, and -5 refers to the faintest stars whose second images are distinctly visible.

The readings of the micrometers and the diameter are read out by the observer and duly entered by the recorder. Whenever a "standard" star is reached the observer and recorder temporarily change places, and measurements are made by both of them.

On completion of the row 54-55, the observer proceeds in like manner to sweep along the row 53-54 in similar order, viz., from 2 to 26 on the horizontal scale.

The same series of operations is continued until the whole plate has been covered, the two observers, however, changing places occasionally, but always, except temporarily for the standard stars, on the completion of a row.

The plate is then reversed in its carrier through 180° in orientation, *i.e.* set up in a convenient position for "red scale" readings. This implies that the numberings attached to the réseau lines now correspond with the red instead of the black figures on the indicating scales, and a new adjustment of the pointers and of the orientation of the plate is necessary.

The whole process of measurement is then repeated in the same order as before, but, of course, with reversed directions of motion, each observer measuring the same star images as before in the reversed position. The results of this second measurement are entered in convenient spaces in the recording form adjacent to those derived from the previous measurement.

It is evident that, since the sides of the squares are set to correspond with 0 rev. and 10 rev. of the micrometer screws, the sum of the readings taken in the two positions of the plate should, apart from errors of measurement, amount to exactly 10 revs. Whenever this sum in the first instance differed from 10 revs. by more than $0^{\cdot}020$ ($=0''\cdot 6$) the measures have been subjected to further examination, and, if no fault was immediately traceable, they have been discarded and the measures both in the "black scale" and the "red scale" positions repeated.

§ IV.—PRELIMINARY REDUCTION OF RECTANGULAR CO-ORDINATES.

The rectangular co-ordinates of each star image, referred to the central réseau lines as axes, may now be derived by a combination of the réseau readings with the micrometer equivalents, each being expressed in similar units. The unit at first adopted is the millimetre on the plate.

Denoting by R_1, R'_1 , the micrometer readings, expressed in screw revolutions, for the two co-ordinates of a star at its first measurement and by R_2, R'_2 , similar readings at the second measurement in the opposite orientation, we have

$$R_1 + R_2 = 10^{\text{rev.}} - \theta \qquad R'_1 + R'_2 = 10^{\text{rev.}} - \theta'$$

where θ, θ' are small quantities not exceeding $0\cdot020$. If we refer the second measurements to the same origin as the first by subtracting each from 10 rev., we obtain as the equivalents of the readings R_1, R'_1 resulting from the second set of measures,

$$10^{\text{r.}} - R_2 = R_1 + \theta \text{ and } 10^{\text{r.}} - R'_2 = R'_1 + \theta'$$

whence, from the mean of the two measures, we derive as the rectangular co-ordinates of the star-image referred to the corner of the réseau square as origin and the revolution of the screws as unit

$$-(R_1 + \frac{1}{2}\theta), \qquad R'_1 + \frac{1}{2}\theta'$$

the sign of the former being reversed to correspond with the direction of increasing R.A.

We may convert these measures into millimetres by dividing by 2 since one revolution of the screw corresponds with half a millimetre on the plate. Further, adding the réseau equivalents I, I' , *i.e.* the rectangular co-ordinates in millimetres of the origin in the réseau square in relation to the origin at the intersection of the central réseau lines, we obtain the co-ordinates of the star images in millimetres by the formulæ

$$I - \frac{1}{2}(R_1 + \frac{1}{2}\theta), \quad I' + \frac{1}{2}(R'_1 + \frac{1}{2}\theta')$$

or the equivalent formulæ, which have been used for control,

$$I - 5 + \frac{1}{2}(R_2 + \frac{1}{2}\theta), \quad I' + 5 - \frac{1}{2}(R'_2 + \frac{1}{2}\theta')$$

where I, I' are given by the following table of réseau equivalents:—

Réseau Equivalents for Vertical Scale (I).

Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.
31-32	+60	37-38	+30	43-44	0	49-50	-30
32-33	+55	38-39	+25	44-45	-5	50-51	-35
33-34	+50	39-40	+20	45-46	-10	51-52	-40
34-35	+45	40-41	+15	46-47	-15	52-53	-45
35-36	+40	41-42	+10	47-48	-20	53-54	-50
36-37	+35	42-43	+5	48-49	-25	54-55	-55

Réseau Equivalents for Horizontal Scale (I').

Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.	Lines.	Equivalent.
2-3	+55	8-9	+25	14-15	-5	20-21	-35
3-4	+50	9-10	+20	15-16	-10	21-22	-40
4-5	+45	10-11	+15	16-17	-15	22-23	-45
5-6	+40	11-12	+10	17-18	-20	23-24	-50
6-7	+35	12-13	+5	18-19	-25	24-25	-55
7-8	+30	13-14	0	19-20	-30	25-26	-60

Finally, it is necessary to express the co-ordinates in units which correspond more accurately with a minute of arc at the centre of the plate. A preliminary determination of the scale equivalent of the plates, depending on the focal length of the telescope, showed that one millimetre on the plate is less than a minute of arc by one part in 300. The rectangular co-ordinates derived as above have therefore all been diminished by $\frac{1}{300}$ th part of themselves, and the final formulæ for the rectangular co-ordinates derived from the measurement are

$$x = I - \frac{1}{2}(R_1 + \frac{1}{2}\theta) - \frac{1}{300}[I - \frac{1}{2}(R_1 + \frac{1}{2}\theta)]$$

$$y = I + \frac{1}{2}(R'_1 + \frac{1}{2}\theta') - \frac{1}{300}[I + \frac{1}{2}(R'_1 + \frac{1}{2}\theta')]$$

A specimen of the computation form used is appended.

Measures of Co-ordinates—Catalogue Plates.

Plate 9027. Date, 1907 September 19. Réseau G. 50. Measurers, L. C.

$\zeta_0 - 44^\circ$		Vertical.				Horizontal.				α_0 0h 0m.
No. Notes.	Diameter	Black. 10—Sum. Red.	Line. Equivalent. $\frac{1}{2}$ Mean.	Sum. $\div 300$. x.	Plate Corrections. x.	Black. 10—Sum. Red.	Line. Equivalent. $\frac{1}{2}$ Mean.	Sum. $\div 300$. y.	Plate Corrections. y.	C.P.D. No. C.P.D. Mag. Mean Diam.
1	2	3	4	5	6	7	8	9	10	11
4	1.2	6.426	54, 55	-58.217	- 315	8.530	22, 23	-40.733	+ 227	44° 10391
*	1.2	3.556	- 55	194	+ 39	+10	+45	136	- 24	9.8
			- 3.217	-58.023	-58.299	1.460	+ 4.267	-40.597	-40.394	1.20
219	1.3	6.108	34, 35	+41.944	- 255	2.094	7, 8	+31.048	+ 323	43° 7
*	1.2	3.886	+45	140	- 30	+ 6	+30	103	+ 19	9.4
			- 3.056	+41.804	+41.519	7.900	+ 1.048	+30.945	+31.287	1.25

In the first column are entered any notes made by the observer, usually by means of convenient symbols, and space is left for the entry of a rotation number following the order of the x co-ordinate throughout the plate.

Column 2 contains the measures of the diameters or estimates of density of images as the case may be.

The micrometer readings R_1 , R_2 are entered in the third column under the precepts "Black," "Red," and the quantity θ is inserted between them.

In the fourth column are entered the numbers of the réseau lines corresponding with the vertical or right ascension co-ordinate of the star image, and beneath them the equivalent of these readings in millimetres. Beneath this again is entered the quantity $-\frac{1}{2}(R_1 + \frac{1}{2}\theta)$ derived from the two first entries in column 3.

The fifth column contains the sum of the last two entries in the preceding column taken algebraically, viz., the quantity $I - \frac{1}{2}(R_1 + \frac{1}{2}\theta)$, and beneath it the quotient obtained by dividing it by 300. The numerical difference of these two quantities gives the co-ordinate x which is then inserted beneath them.

Columns 7, 8, 9, for the computation of the co-ordinate y , correspond exactly with columns 3, 4, 5. Columns 6 and 10 serve for the application of "plate constant" corrections derived in a manner to be hereafter explained.

The final column gives the number and magnitude of the star as identified in the C.P.D. and the mean diameter derived from the entries in column 2.

§ V.—CORRECTIONS FOR REFRACTION AND ABERRATION.

The corrections for differential refraction, as affecting the rectangular co-ordinates of star images on photographic plates, have been very fully developed by Kapteyn (*Bulletin du Comité Permanent*, t. iii, p. 71).

The significant terms may be expressed as follows:—

$$\begin{aligned}\Delta x &= ax + by, \\ \Delta y &= Ax + By,\end{aligned}$$

where, with sufficient accuracy,

$$\begin{aligned}a &= k' \sec^2 q, \\ b &= k' \tan q (\tan p - \tan \delta), \\ A &= k' \tan q (\tan p + \tan \delta), \\ B &= k' \sec^2 p,\end{aligned}$$

p , q being defined by the equations

$$\begin{aligned}\tan p &= \tan \zeta \cos \omega, \\ \tan q &= \tan \zeta \sin \omega,\end{aligned}$$

where ζ , ω , δ denote respectively the zenith distance, parallactic angle and declination of the centre of the plate, and k' is the constant of refraction, dependent on the readings of the barometer and thermometer.

It is convenient to divide each of these expressions for Δx , Δy into three parts as follows :—

$$\begin{aligned}\Delta x &= [Bx] + [by] + [(a-B)x] \\ \Delta y &= [By] - [bx] + [(A+b)x]\end{aligned}$$

Now the terms $[Bx]$, $[By]$ in Δx , Δy are evidently equivalent in effect to a variation of the scale equivalent of the réseau, while the second terms $[by]$, $[bx]$ are equivalent to a small change in the orientation of the axes of reference.

Hence we may ignore these terms provided we derive the instantaneous scale equivalent of the réseau and its orientation from the internal evidence afforded by the measures of star images independently for each plate.

The corrections expressed by the remaining terms are, however, of a different character and indicate a distortion of the field of view as represented on the plate.

Hence if we put

$$\begin{aligned}\alpha &= a - B = k'(\sec^2 q - \sec^2 p) = -k' \tan^2 \zeta \cos 2\omega, \\ \beta &= A + b = 2k' \tan p \tan q = k' \tan^2 \zeta \sin 2\omega,\end{aligned}$$

the distortional parts of the refraction, which need alone concern us, are given by

$$\Delta x = \alpha x, \quad \Delta y = \beta x.$$

Since α , β both contain $\tan^2 \zeta$ as a factor, and all the plates have been taken at small zenith distances, these corrections will always be small. They have been computed with a mean value of k' corresponding to average atmospheric conditions, as functions of the declination and hour angle of the plate centre at the middle of exposure. Within the limits of accuracy sought their variations, even for extreme atmospheric conditions, are quite insensible. The values used for plates with centres on the declination circle -44° are contained in the following table :—

Refraction Table ($\delta = -44^\circ$).

Hour Angle of Plate Centre.		α .	β .
h	m		
0	0	— 000009	+ 000000
0	20	— 000007	+ 000007
0	40	— 000002	+ 000014
1	0	+ 000006	+ 000020
1	20	+ 000020	+ 000025
1	40	+ 000036	+ 000028
2	0	+ 000056	+ 000028

The signs quoted are those appropriate for western hour-angles. For eastern hour-angles the sign of β must be reversed.

The expressions given by Kapteyn for the differential effects of aberration show that the principal parts of the aberration are equivalent in effect to a small variation

in the scale and orientation of the plate. The outstanding effects are of the second order in relation to the co-ordinates, and will be quite insensible for plates of the dimensions used. Thus the corrections due to aberration may be regarded as absorbed in those due to the scale and orientation of the plate.

§ VI.—COMPUTATION OF TABULAR CO-ORDINATES OF THE STANDARD STARS.

The tabular positions of the comparison stars used for the standardisation of the plates are contained in the *Cape Catalogue of 8560 Astrographic Standard Stars*, derived from meridian observations made with the transit circle during the years 1896–1899 inclusive.

For convenience in computation the star places were all referred to the epoch 1900·0 by means of the catalogue proper motions, zero values, however, being assigned to these proper motions where no determination was included in the catalogue.

The rectangular co-ordinates, together with their annual variations on account of proper motion, referred to ideal plate centres, were then computed by means of the formulæ given by Jacoby,* retaining terms as far as the third order. To facilitate this computation, auxiliary tables were prepared for each zone of plate centres. The tables used for zone -44° are given on p. xviii.

The tables have been derived from a slight modification of Jacoby's formulæ, involving the declination of the star (δ) instead of that of the plate centre.

In Jacoby's notation the quantities contained in the tables represent the terms

Table A	..	..	$(\frac{1}{2}Aa\delta^2\sin^2i'' + A'_2Aa^3) \cos i$,
Table B	..	..	D'_1Aa^2 ,
Table C	..	..	$D'_2Aa^2A\delta + D'_3A\delta^3$;

whence, $\Delta\alpha$, $\Delta\delta$, which denote the differences of the R.A. and declination of the star from those of the plate centre, being expressed in minutes of arc

$$\begin{aligned} x &= Aa \cos i + \text{Table A} \\ y &= A\delta - \text{Table B} + \text{Table C} \end{aligned}$$

Table A takes the sign of $\Delta\alpha$; table C that of $\Delta\delta$.

The arguments involved in these tables will be apparent with the exception of the vertical argument in Table C. The argument here used and denoted by "B correction" is the quantity derived in the previous entry from Table B. The term $\Delta\alpha \cos \delta$ in x was computed with five-figure logarithms.

* *Bulletin du Comité International Permanent*, t. iii, p. 3.

TABLE A. Unit 0'·001.

$\Delta\delta.$ $\Delta a \cos \delta.$	0'	10'	20'	30'	40'	50'	60'	$\Delta\delta.$ $\Delta a \cos \delta.$
0	0	0	0	0	0	0	0	0
10	0	0	0	0	1	1	2	10
20	0	0	0	1	2	2	3	20
30	0	0	1	2	3	4	5	30
40	1	1	2	3	4	5	7	40
50	2	2	3	4	5	7	9	50
60	3	3	4	5	7	9	12	60

TABLE B.

$\Delta a.$	0'	1'	2'	3'	4'	5'	6'	7'	8'	9'	$\Delta a.$
0	·000	·000	·000	·001	·001	·002	·003	·004	·005	·006	0
10	·007	·009	·010	·012	·014	·016	·019	·021	·024	·026	10
20	·029	·032	·035	·038	·042	·045	·049	·053	·057	·061	20
30	·065	·070	·074	·079	·084	·089	·094	·099	·105	·110	30
40	·117	·122	·128	·134	·141	·147	·154	·160	·167	·174	40
50	·182	·189	·196	·204	·212	·220	·228	·236	·245	·253	50
60	·261	·270	·279	·288	·297	·307	·316	·326	·336	·346	60
70	·356	·366	·376	·387	·398	·409	·419	·430	·442	·453	70
80	·465	·476	·488	·500	·512	·525	·537	·550	·562	·575	80

TABLE C. Unit 0'·001.

$\Delta\delta.$ B Corr.	0'	10'	20'	30'	40'	50'	60'	$\Delta\delta.$ B Corr.
·00	0	0	0	1	2	3	6	·00
·10	0	0	0	1	2	4	6	·10
·20	0	0	0	1	2	4	6	·20
·30	0	0	0	1	2	4	6	·30
·40	0	0	0	1	2	4	6	·40
·50	0	0	0	1	2	4	7	·50

With all necessary precision for zones so remote from the pole, the annual variations of x and y are expressed in minutes of arc as follows:—

$$\mu_x = \frac{1}{4}\mu_a \cos \delta, \quad \mu_y = \frac{1}{60}\mu\delta,$$

where $\mu_a, \mu\delta$, are the annual proper motions as contained in the catalogue, expressed in seconds of time and arc respectively.

§ VII.—DETERMINATION OF PLATE CONSTANTS.

After applying to the co-ordinates as measured on the plates corrections on account of the distortional effects of differential refraction, it is necessary further to correct the measures on account of the imperfections in centring and orientation of the réseau and variations in the scale. For this purpose, it is necessary to introduce for each plate four additional constants, a , b , S , P , the corrections being expressible by means of the formulæ—

$$\begin{aligned}\Delta x &= a + Sx - Py, \\ \Delta y &= b + Px + Sy.\end{aligned}$$

The quantities a , b here denote the corrections for errors in centring, S denotes a scale correction, and P an orientation correction, the two latter including parts due to the effects of differential refraction and aberration not otherwise allowed for.

The measured co-ordinates, after application of all the corrections, take the form

$$\begin{aligned}x + a + (S + a)x - Py \\ y + b + (P + \beta)x + Sy\end{aligned}$$

The quantities a , b , S , P have now to be determined by a comparison of the measures with the computed co-ordinates of the standard stars derived from the meridian observations. Denoting as above the uncorrected photographic co-ordinates by x , y , and the corresponding co-ordinates derived from meridian observations for the epoch 1900 by x_m , y_m , the true co-ordinates at the epoch (1900 + t) of the plate, apart from accidental errors of measurement, may be expressed in either of the forms

$$x + a + (S + a)x - Py, \quad y + b + (P + \beta)x + Sy$$

or

$$x_m + \mu_x t, \quad y_m + \mu_y t.$$

Equating the corresponding expressions and writing for brevity

$$\begin{aligned}x_m - x + \mu_x t - ax &= m, \\ y_m - y + \mu_y t - \beta x &= n,\end{aligned}$$

each standard star will yield a pair of equations of condition of the form

$$\begin{aligned}a + Sx - Py &= m, \\ b + Px + Sy &= n.\end{aligned}$$

The values of a , b , S , P for each plate have been derived by combining the series of the equations derived from all the standard stars on the plate by the method of least squares, giving each of the equations equal weight.

The least square solution may be somewhat simplified as follows:—

Denote by X , Y the co-ordinates of the centre of gravity of the standard stars on the plate so that $X = \frac{1}{\nu} \Sigma x$, $Y = \frac{1}{\nu} \Sigma y$, Σ denoting summation with respect to all the standards, and ν denoting their number.

Then, if we put

$$\begin{aligned} x - X = \xi, \quad y - Y = \eta \\ A = a + SX - PY, \quad B = b + PX + SY, \end{aligned}$$

so that

$$\Sigma \xi = 0, \quad \Sigma \eta = 0,$$

the equations of condition take the form

$$\begin{aligned} A + S\xi - P\eta = m \\ B + P\xi + S\eta = n. \end{aligned}$$

In virtue of the conditions $\Sigma \xi = 0$, $\Sigma \eta = 0$, the normal equations formed from the combination of these equations take the simple forms

$$\begin{aligned} vA = \Sigma m, \\ vB = \Sigma n, \\ \Sigma(\xi^2 + \eta^2)S = \Sigma(m\xi + n\eta), \\ \Sigma(\xi^2 + \eta^2)P = \Sigma(n\xi - m\eta). \end{aligned}$$

The two latter give the values of S and P , each with weight

$$\Sigma(\xi^2 + \eta^2),$$

and the two former A and B , each with weight v .

a , b are then derived from the formulæ

$$\begin{aligned} a = A - SX + PY, \\ b = B - PX - SY. \end{aligned}$$

As an illustration, take the case of a plate exposed on 1900 Nov. 2 on the region whose centre is at $1^{\text{h}} 20^{\text{m}}$ R.A. on the declination circle -44° . The sidereal time at the middle of the exposure was $0^{\text{h}} 45^{\text{m}}$.

From these data the refraction constants are derived as follows:—

$$a = -0.000003, \quad \beta = -0.000012.$$

The plate contains 9 standard stars, the measured co-ordinates of which, together with the computed corrections for the distortional parts of the refraction, are:—

Catalogue No. of Star.	x.	y.	$\alpha x.$	$\beta x.$
423	-55.697	-9.333	...	+ 0.001
426	-52.035	+54.190	...	+ 0.001
428	-48.575	-31.645	...	+ 0.001
440	-21.536	-7.665	...	...
443	-12.643	+19.674	...	...
453	+4.909	+42.797	...	...
456	+11.195	+26.154	...	...
465	+34.159	-27.245	...	...
471	+47.152	+10.195	...	- 0.001
	$X = -10.341$	$Y = +8.569$		

The co-ordinates computed from the meridian observations, together with their reductions on account of proper motion to the epoch of the photographic exposure, are :—

Catalogue No. of Star.	x_m .	y_m .	μ_x .	μ_y .
423	-55.750	- 9.365	0.000	- 0.003
426	-52.154	+54.157	...	...
428	-48.573	-31.686	...	...
440	-21.579	- 7.663	+ 0.001	+ 0.001
443	-12.698	+19.692	- 0.001	- 0.001
453	+ 4.823	+42.850	...	...
456	+11.125	+26.201	...	...
465	+34.178	-27.175	- 0.002	- 0.002
471	+47.125	+10.298	...	...

From these data we derive the co-efficients and absolute terms of the equations of condition :—

Catalogue No. of Star.	Co-efficients.		m .	n .
	ξ .	η .		
423	- 45	- 18	- 0.053	- 0.036
426	- 42	+ 46	- 0.119	- 0.034
428	- 38	- 40	+ 0.002	- 0.042
440	- 11	- 16	- 0.042	+ 0.003
443	- 2	+ 11	- 0.056	+ 0.017
453	+ 15	+ 34	- 0.086	+ 0.053
456	+ 22	+ 18	- 0.070	+ 0.047
465	+ 44	- 36	+ 0.017	+ 0.068
471	+ 57	+ 2	- 0.027	+ 0.104
			$A = - 0.048$	$B = + 0.020$

whence

$$\Sigma (\xi^2 + \eta^2) = 18449$$

$$\Sigma (m\xi + n\eta) = + 5.57$$

$$\Sigma (n\xi - m\eta) = + 24.72,$$

and therefore

$$A = -0.048, B = +0.020, S = +0.000302, P = +0.001340$$

$$a = A - SX + PY = -0.034, b = B - PX - SY = +0.031.$$

$$(S + a) = +0.000299, (P + \beta) = +0.001328.$$

Applying the corrections $a+(S+\alpha)x-Py$ and $b+(P+\beta)x+Sy$ to the measured co-ordinates we find the final values of the photographic co-ordinates as follows :—

Catalogue No. of Star.	x .	y .	Δx .	Δy .
423	-55.736	- 9.379	+ 0.014	- 0.011
426	-52.158	+54.168	- 0.004	+ 0.011
428	-48.582	-31.688	- 0.009	- 0.002
440	-21.566	- 7.665	+ 0.012	- 0.003
443	-12.707	+19.694	- 0.008	+ 0.003
453	+ 4.819	+42.848	- 0.004	- 0.002
456	+11.129	+26.208	+ 0.004	+ 0.007
465	+34.171	-27.177	- 0.005	0.000
471	+47.118	+10.292	- 0.007	- 0.006

The two final columns give the residuals obtained by comparing the corrected photographic co-ordinates with those computed from meridian observation. From the sum of their squares we derive as the probable error corresponding to unit weight (*i.e.* that of a single equation of condition)

$$\pm 0.0056 = \pm 0.34.$$

The corresponding result derived from a large number of plates amounts to about ± 0.32 . The errors herein involved arise partly from the accidental errors of the photographic measures and partly from those of the meridian co-ordinates. Assuming that the probable errors of the meridian co-ordinates, including parts due to proper motion, amount to ± 0.20 , it follows that the probable accidental error of measurement of a single co-ordinate as derived from the photographs is

$$\pm \sqrt{(0.32)^2 - (0.20)^2} = \pm 0.25.$$

To facilitate the application of plate-constant corrections auxiliary tables were prepared for each plate giving the values of

- I. $a+(S+\alpha)x$, (arg : x)
- II. $-Py$, (arg : y)
- III. $b+(P+\beta)x$, (arg : x)
- IV. $+Sy$, (arg : y)

The quantities I and II corresponding with each star were then inserted in column 6 of the form on p. xiv, and the quantities III and IV in column 10. The final co-ordinates x , y entered in the same columns are obtained by applying these corrections to the entries x , y in the columns immediately preceding.

The co-ordinates as thus derived are the rectangular co-ordinates contained in the present volume. The actual values of the plate constants used are given in the table on p. xxx.

§ VIII.—INTERCOMPARISON OF PLATES.

The results derived from different plates might be compared by referring them all to some common system of co-ordinates, *e.g.* right ascensions and declinations. The necessary transformations are, however, laborious, while the direct transformation from one rectangular co-ordinate system to another, corresponding with a different plate-centre, affords many facilities in manipulation. It is thus convenient to adopt as a system of reference, for comparison of results derived from the overlapping portions of two plates, the rectangular co-ordinate system of one or other of the two plates concerned.

The formulæ necessary for the transformation are derived in the Introduction to vol. i., p. xxxi.

Denote by x_0, y_0 the co-ordinates of a star image on a plate whose centre corresponds with the point (α_0, δ_0) on the sky, and by x_1, y_1 co-ordinates which the same star would have if the plate centre were transferred to the point (α_1, δ_1) .

Then if

$$\hat{\iota}_1 = -45^\circ, \hat{\iota}_0 = -44^\circ, a_0 - a_1 = \pm 5 \text{ mins.}$$

$$x_1 = x_0 \pm 53' \cdot 9610 + \cdot 000278x_0 \pm \cdot 015434y_0 \pm \cdot 00000449x_0^2 + \cdot 00000518x_0y_0 \pm \cdot 00000008y_0^2 + \dots$$

$$y_1 = y_0 + 59' \cdot 5971 \pm \cdot 015162x_0 + \cdot 000309y_0 - \cdot 00000007x_0^2 \pm \cdot 00000441x_0y_0 + \cdot 00000511y_0^2 + \dots$$

These formulæ enable us to transform the co-ordinates as derived from plates with centres on the declination circle -44° so as to render them strictly comparable with those derived by direct measurement from plates on the adjacent zone -45° .

Their use may be facilitated by the preliminary formation of auxiliary tables. For example, tables are prepared giving the values of

$$A_1 = 53' \cdot 9567 + \cdot 015434y_0$$

and of

$$B_1 = 59' \cdot 5911 - \cdot 015162x_0$$

with arguments y_0, x_0 respectively,—and secondly of the expressions

$$A_2 = +0' \cdot 0043 + \cdot 000278x_0 + \cdot 00000449x_0^2 + \cdot 00000518x_0y_0 + \cdot 00000008y_0^2$$

$$B_2 = +0' \cdot 0060 + \cdot 000309y_0 - \cdot 00000007x_0^2 + \cdot 00000441x_0y_0 + \cdot 00000511y_0^2$$

with the double arguments x_0, y_0 . For converting from a plate-centre in -44° to the plate-centre in -45° , preceding by 5 mins., we then have

$$x_1 = x_0 + A_1 + A_2, \quad y_1 = y_0 + B_1 + B_2.$$

Small constant parts have been included in the expressions for A_2, B_2 and subtracted from the constant parts in the expression for A_1, B_1 in order to avoid ambiguities in sign.

The double interpolation necessary to derive the quantities A_2, B_2 may be more conveniently effected graphically by plotting on squared paper the hyperbolas represented by

$$A_2 = \pm 0' \cdot 0005, \quad A_2 = \pm 0' \cdot 0015, \quad A_2 = \pm 0' \cdot 0025, \text{ etc.}$$

$$B_2 = \pm 0' \cdot 0005, \quad B_2 = \pm 0' \cdot 0015, \quad B_2 = \pm 0' \cdot 0025, \text{ etc.}$$

Tables for reducing x and y on -44° Plates to overlap on -45° Plates.

A₁.

$y.$	0'	1'	2'	3'	4'	5'	6'	7'	8'	9'	$y.$
- 0'	53.957	.941	.926	.910	.895	.880	.864	.849	.833	.818	- 0'
10	.802	.787	.771	.756	.741	.725	.710	.694	.679	.663	10
20	.648	.633	.617	.602	.586	.571	.555	.540	.525	.509	20
30	.494	.478	.463	.447	.432	.417	.401	.386	.370	.355	30
40	.339	.324	.308	.293	.278	.262	.247	.231	.216	.200	40
50	.185	.170	.154	.139	.123	.108	.092	.077	.062	.046	50

A₂ Unit 0'.001.

$y.$	$x.$	-10'	0'	10'	20'	30'	40'	50'	60'	$x.$	$y.$
- 0'		8	4	2	1	0	0	2	4		- 0'
10		7	4	2	2	1	2	4	7		10
20		7	4	3	3	3	5	7	10		20
30		6	4	4	4	5	7	9	13		30
40		6	4	4	5	6	9	12	16		40
50		5	5	5	6	8	11	15	19		50
-60		5	5	5	7	10	13	17	23		-60

B₁.

$x.$	0'	1'	2'	3'	4'	5'	6'	7'	8'	9'	$x.$
0	59.591	.606	.621	.637	.652	.667	.682	.697	.712	.728	0
10	.743	.758	.773	.788	.803	.819	.834	.849	.864	.879	10
20	59.894	.910	.925	.940	.955	.970	.985	60.000	.016	.031	20
30	60.046	.061	.076	.091	.107	.122	.137	.152	.167	.182	30
40	.198	.213	.228	.243	.258	.273	.289	.304	.319	.334	40
50	60.349	.364	.380	.395	.410	.425	.440	.455	.470	.486	50

B₂ Unit 0'.001.

$y.$	$x.$	-10'	0'	10'	20'	30'	40'	50'	60'	$x.$	$y.$
- 0'		6	6	6	6	6	6	6	6		- 0'
10		3	3	4	4	5	5	5	6		10
20		1	2	3	4	4	5	6	7		20
30		0	1	3	4	5	7	8	9		30
40		0	2	4	5	7	9	10	12		40
50		1	3	6	8	10	12	14	16		50
-60		3	6	8	11	14	16	19	22		-60

Any point x_0, y_0 in the plane of these curves will then lie between a pair of the curves belonging to either series, and the corresponding values of A_2 or B_2 may be immediately read off to the nearest unit of the third decimal place, or if necessary roughly interpolated to the fourth decimal place, by reference to the numbers inserted in the spaces, *e.g.*, the space between $A_2 = +\cdot0025$ and $A_2 = +\cdot0035$ in the A-diagram will be numbered 3, that between $B_2 = +\cdot0065$ and $B_2 = +\cdot0075$ in the B-diagram will be numbered 7.

The quantities thus obtained will always be small and can be applied at sight as corrections to the quantities A_1, B_1 as the latter are extracted from the tables.

The tables in an abridged form are given on p. xxiv. Where -10 appears in the argument x for A_2 and B_2 it signifies that x_0 precedes the centre of a preceding 45° plate, or follows on a following plate; in these cases A_1 and A_2 are to be taken with the same sign as x_0 ; but in all other cases with the opposite sign to x_0 . B_1 and B_2 are always to be taken with positive sign.

§ IX.—CONTROL OBSERVATIONS.

By the methods of the preceding section the co-ordinates of each star image have been reduced to the system of co-ordinates of at least one other overlapping plate and verified, where possible, by comparison with the results obtained by direct measurement on the latter.

The sub-zone to the north was considered the normal overlap for stars of y plus and that to the south for stars of y minus.

Stars whose positions were originally measured on one plate, but which were not represented among those measured on the overlapping plate, were, in the first instance, marked with the symbol M or *m*, to denote "missing." The capital letter implies that the overlapping area which was examined for verification preceded in R.A., the small letter that it was in following R.A.

Where these symbols have been retained in the final tables of rectangular co-ordinates, it should be understood that the positions quoted represent isolated observations of the stars concerned, unsupported by additional evidence from overlapping areas. Two plates of the 43° or 45° zones may overlap the 44° plate when the x co-ordinate on the latter is less than $\pm 7\cdot0$, and although M or *m* is retained the measures may have been verified by comparison with one of the plates.

In the case of the fainter stars no systematic attempt has been made at further verification, but the brighter stars have been subjected to additional examination by reference back to the plates.

No attempt has yet been made to convert the measures of diameter or estimates of intensity of the photographic images into a uniform scale of magnitude, and these measures or estimates themselves are accordingly quoted in the tables.

The quantity *D* quoted in the heading for each plate or at the head of column 4 on each page in the tables of rectangular co-ordinates is, however, roughly estimated as the diameter (or intensity) which corresponds with a magnitude of 11.0 on the C.P.D. scale ; it further represents the limiting diameter on the plate for which a systematic attempt at verification has been made.

For all stars whose images attain or exceed this limiting intensity, and for fainter stars which have been examined, the original symbols *M* or *m* have been replaced by one or other of the following : *A, B, C, D, E, F, a, b, c, d, e, f, α, β, γ, δ*. The capital letters refer to an overlapping area whose centre precedes that of the plate under investigation, and the small letters to one which follows.

A or *a* indicates that, although the star was fainter than the limiting magnitude retained on the overlap, two images (1st and 2nd exposures) could be traced there in the required position.

B or *b* that the first image was visible, but that the second could not be seen.

C or *c* that the existence of the star image on the overlap could not be verified with certainty on account of the proximity of a réseau line, faults in the film, or similar causes.

D or *d* that no trace of a star image could be seen.

In cases marked *C, c* or *D, d*, the existence of the star image on the original plate has been verified, and the measures and reductions carefully re-examined.

The symbols *α, β, γ, δ*, with a similar significance to *A, B, C, D*, or *a, b, c, d*, have been used where the position of the star image on the overlapping area lies on the margin outside the usual limits of measurement.

The symbols *E, e* indicate that measures of a star, not represented on the normal quadrantal overlap, have been found on the marginal overlap of an adjacent plate in the same zone of declination, but of different R.A.

In like manner, the symbols *F, f* indicate that the existence of the star has been verified and its co-ordinates checked from the marginal areas of a plate whose centre is in the opposite direction in declination from that of the normal quadrantal overlap on which verification was first sought.

In cases marked *E, e* or *F, f* no further verification by reference to the plates themselves has been considered necessary.

§ X.—PERSONAL.

The work here dealt with was planned and commenced under the direction of Sir David Gill, who retired from the directorship of the Observatory on 20th February, 1907. Since this date the work has been continued under my directorship on similar lines.

The distribution of the work amongst the permanent and temporary members of the staff has been as follows :—

The revised series of catalogue plates dealt with in this volume was commenced in 1897, under the supervision of Mr. J. Lunt, B.Sc. After September, 1898, Mr. Lunt was transferred exclusively to the Astrophysical Department, and the control of the photography and development placed in charge of Mr. C. R. Woods. On his retirement in 1901 March, Mr. Woods was succeeded by Mr. R. Woodgate, who has continued to supervise the photography till its completion.

As a rule, the development of the plates was performed by these officers, but several computers have also assisted in the exposure at the telescope, and occasionally in the developing room.

In the table giving particulars of the separate plates, the name of the observer at the telescope is indicated by initials, to be interpreted as follows :—

Banks, E. H.	..	..	..	{ 1899 Sept. 14-25, 1902 Jan. 9—Apr. 25, }	E.B.	2
Fowler, R...	..	..	..	1908 Nov. 24—1909 May 4,	R.F.	3
Gummer, W. A.	..	..	..	1901 July 18—1902 Nov. 18,	W.G.	5
Jackson, J. W.	..	..	..	1904 Feb. 29—end of work,	J.J.	17
Jeffries, C. W.	..	..	..	1903 Mar. 19—1904 Dec. 23,	J.	2
Johns, G. F.	..	..	..	1899 Sept. 16—1901 Jan. 17,	G.J.	14
Mullis, H. F.	..	..	..	1901 Sept. 17—1904 Mar. 16,	M.	21
Whittingdale, W...	..	..	..	1902 May 27—1903 Jan. 14,	W.W.	2
Wilkin, A. J.	..	..	..	{ 1901 Feb. 1—1901 May 22, } { 1901 Nov. 8—Dec. 30, }	A.W.	6
Woodgate, R.	..	..	..	1901 Mar. 9—end of work,	W.	45
Woods, C. R.	..	..	..	1897 Dec. 9—1900 Nov. 9,	C.W.	27

The distribution of the work for the zone -44° is indicated by the number of plates given in the last column.

The measurement of the plates was conducted by a staff of lady computers under the control of Miss M. Bowman from the commencement until 1902 March 27, and subsequently under the control of Miss E. van der Lingen. The same computers have throughout assisted in the more routine parts of the reductions and in the very heavy clerical work involved in preparing the work for press. The

following is a list of those who have taken part in the measurement, together with the initials by which they are referred to in the table on pp. xxx-xxxii and in the Catalogue :—

Miss M. Backwell	M.B.	1905 Sept. 1—1911 Nov. 30.
„ M. Bergh	S.B.	1899 July 1—1902 Mar. 31.
„ L. Berry	L.B.	1903 May 16—1903 Dec. 31.
„ M. Bowman	B.	1897 Jan. 16—1902 Mar. 27.
„ M. Coates	M.C.	1902 Sept. 1 . . .
„ N. Crosby	C.	{ 1904 Apr. 1—1905 Nov. 15. 1906 Apr. 1—1914 Feb. 15.
„ M. Eedes	E.	1899 Nov. 6—1902 Mar. 31.
„ C. Halkett	C.H.	1897 Nov. 1—1900 Feb. 28.
Mrs. Holtzer	H.	1899 May 19—1900 Sept. 30.
Miss J. Hutcheon	J.H.	1899 Feb. 6—1902 Mar. 31.
„ M. Jackson	M.J.	1904 Dec. 1—1905 Feb. 25.
„ N. Maclear	N.M.	{ 1902 Oct. 1—1904 Mar. 31. 1906 Mar. 1—1909 June 30.
Mrs. Rolls	R.	1898 Sept. 19—1898 Dec. 31.
Miss E. Speight	S.	1899 Feb. 1—1902 Mar. 31.
„ M. Stephens	M.S.	{ 1897 July 1—1899 Jan. 31. 1902 Aug. 1 . . .
„ E. Straith	E.S.	1901 Sept. 9—1907 Feb. 28.
„ H. Twamley	T.	1906 Jan. 1—1911 Aug. 31.
„ E. Van der Lingen	L.	1902 Mar. 1—1911 Sept. 30.
„ E. Warren	E.W.	1900 Oct. 1—1901 July 31.

Misses Beattie, Carney, Duncan, Ness, Sampson, and Wilson have assisted in the reductions but have taken no part in the measurement.

The examination of the reductions, the computation of plate-constants, the preparation of the results for press, the onerous intercomparison and examination of overlapping areas have been supervised by Mr. J. Power, who has been indefatigable in his endeavours to accelerate the work and to secure the greatest accuracy in detail. In addition to clerical assistance from the lady computers mentioned above, the following computers, acting immediately under Mr. Power's control, have from time to time taken part in the computational work :—

Mr. E. H. Banks.	Mr. M. Meldrum.
„ R. W. Cheeseman.	„ H. F. Mullis.
„ A. Cochrane.	„ J. A. J. Pead.
„ D. De Korte.	„ J. H. Peirce.
„ R. Fowler.	„ F. H. Scragg.
„ H. Garrett.	„ J. A. Simpson.
„ A. W. Goatcher.	„ W. Whittingdale.
„ W. Gummer.	„ A. J. Wilkin.
„ J. W. Jackson.	„ F. H. Williams.
„ C. W. Jeffries.	„ R. Williams.
„ G. F. Johns.	„ J. C. Wood.

The examination of the plates for discordant or missing stars on overlapping areas has been conducted by Messrs. Peirce and Wilkin.

§ XI.—LIST OF PLATES.

The following table gives details of the separate plates dealt with in this volume.

Column 1 gives the rotation number in the zone and column 2 the R.A. of the centre of the plate.

Column 3 gives the rotation number of the plate from the diary of observations at the photographic telescope.

Column 4 gives the date of exposure of the photograph and column 5 the initials of the photographer, as indicated on p. xxvii.

Columns 6 and 7 give respectively the sidereal time and hour-angle of the centre of the plate at the middle of the exposure.

Column 8 gives the state of the definition as recorded by the observer, the best conditions being denoted by 1 and the worst possible observing conditions by 4, intermediate or variable conditions by intermediate numbers or combinations of numbers.

Column 9 gives the distinguishing mark on the réseau used.

Column 10 gives the date on which the measurements were made, or in the case of the fuller plates, for some of which the measures extended over several days, an approximate mean date.

Column 11 gives the initials of the observers who made the measures, to be interpreted as on p. xxviii.

Column 12 indicates which of the two micrometers (I. or II.) was used.

Columns 13-18 contain the plate-constants, derived by the method of § VII., which have been employed in reducing the measures. These include the parts due to differential refraction and aberration.

Column 19 gives the number of standard stars used for the determination of these plate-constants.

ZONE — 44°. *Details of Plates.*

No.	Co.	Plate.	Exposed		Mean Sid. Time.	Hour Angle		Def.	Réseau.	Measured		Micrometer.	Plate Constants Applied.				
			on	by		h	m			on	by		a.	S+a.	-P.	b.	P+β.	S.
1	0	9027	1907 Sept. 19	JJ	23 34	E 0 26	2-3	G 50	1908 Aug. 10	L, C	I.	-0.280	+0.000596	-0.000968	+0.283	+0.000959	+0.000601
2	10	9365	1909 Oct. 22	W	23 14	E 0 56	3	G 50	1909 Nov. 30	L, C	I.	-0.116	+0.402	+0.319	-0.160	+0.338	+0.398
3	20	9028	1907 Sept. 19	JJ	23 53	E 0 27	3	G 50	1908 Aug. 13	L, C	I.	-0.247	+0.438	-0.158	+0.081	+0.149	+0.443
4	30	9138	1908 July 16	JJ	0 20	E 0 10	3	G 50	1908 Aug. 20	L, MC	I.	+0.199	+0.504	+0.289	+0.085	+0.296	+0.511
5	40	9181	1908 Nov. 6	JJ	0 27	E 0 13	3	G 50	1908 Dec. 1	L, C	I.	-0.069	+0.512	+0.18	+0.177	+0.23	+0.520
6	50	9182	1908 Nov. 6	JJ	0 46	E 0 4	3	G 50	1908 Dec. 2	L, C	I.	+0.192	+0.451	-0.8	+0.055	+0.7	+0.460
7	1	9183	1908 Nov. 6	JJ	1 8	W 0 8	3	G 50	1908 Dec. 5	L, C	I.	-0.256	+0.491	-0.1949	+0.144	+0.1951	+0.499
8	10	9198	1908 Nov. 24	RF	1 24	W 0 14	2	G 50	1908 Dec. 7	L, C	I.	-0.027	+0.228	-0.1921	+0.291	+0.1926	+0.236
9	20	6059	1900 Nov. 5	CW	0 45	E 0 35	2	G x	1908 Aug. 25	L, C	I.	-0.034	+0.300	-0.1339	+0.031	+0.1327	+0.303
10	30	9199	1908 Nov. 24	RF	1 42	W 0 12	1	G 50	1908 Dec. 8	L, C	I.	+0.137	+0.348	-0.1801	+0.226	+0.1806	+0.356
11	40	6545	1901 Nov. 14	AW	1 50	W 0 10	3	G 61	1908 Aug. 26	L, C	I.	+0.364	+0.478	+0.657	+0.056	+0.653	+0.486
12	50	8708	1905 Dec. 15	JJ	2 2	W 0 12	3	G 50	1908 Aug. 26	L, C	I.	+0.143	+0.538	-0.867	+0.046	+0.872	+0.546
13	2	4637	1897 Dec. 9	CW	2 29	W 0 29	3	G 51	1903 July 22	L, MC	I.	-0.121	+0.390	+0.310	+0.038	+0.300	+0.394
14	10	7095	1902 Oct. 20	WG	1 57	E 0 13	3	G 50	1903 July 26	L, MC	I.	-0.131	+0.522	+0.141	+0.211	+0.146	+0.530
15	20	6067	1900 Nov. 8	GJ	2 8	E 0 12	2	G x	1903 July 27	L, MC	I.	-0.063	+0.445	-0.2241	+0.261	+0.2237	+0.453
16	30	7150	1902 Nov. 15	WW	1 30	E 1 0	3	G 50	1903 July 28	L, MC	I.	-0.069	+0.409	+0.424	-0.026	+0.444	+0.403
17	40	8266	1904 Dec. 23	J	2 27	E 0 13	3-4	G 50	1905 Aug. 7	MC, ES	II.	-0.277	+0.683	-0.1457	+0.032	+0.1453	+0.691
18	50	7151	1902 Nov. 15	WW	1 48	E 1 2	3	G 50	1903 July 30	L, MC	I.	+0.002	+0.427	+0.259	+0.145	+0.279	+0.420
19	3	8234	1904 Dec. 16	JJ	3 4	W 0 4	3	G 50	1905 Aug. 8	ES, MC	II.	-0.239	+0.470	-0.696	-0.026	+0.697	+0.479
20	10	4650	1897 Dec. 11	CW	3 12	W 0 2	2-3	G 51	1903 Aug. 18	L, LB	I.	-0.019	+0.371	+0.327	+0.026	+0.326	+0.380
21	20	6576	1901 Dec. 19	W	2 19	E 1 1	3	G 61	1903 Aug. 26	LB, L	I.	-0.002	+0.451	+0.214	-0.064	+0.234	+0.444
22	30	6577	1901 Dec. 19	W	2 36	E 0 54	3	G 61	1903 Aug. 30	L, MC	I.	-0.008	+0.401	+0.646	-0.121	+0.664	+0.397
23	40	6578	1901 Dec. 19	W	2 53	E 0 47	3	G 61	1903 Sept. 4	L, LB	I.	-0.260	+0.358	+0.530	-0.006	+0.546	+0.357
24	50	6579	1901 Dec. 19	W	3 10	E 0 40	3	G 61	1903 Sept. 8	L, MC	I.	-0.109	+0.244	+0.851	-0.097	+0.865	+0.246
25	4	4690	1898 Jan. 4	CW	4 31	W 0 31	2-3	G 51	1899 Sept. 10	B, CH	I.	+0.095	+0.397	+0.230	-0.068	+0.219	+0.401
26	10	4691	1898 Jan. 4	CW	4 50	W 0 40	2-3	G 51	1899 Sept. 11	CH, B	I.	+0.186	+0.354	+0.386	-0.088	+0.372	+0.356
27	20	4642	1897 Dec. 9	CW	4 7	E 0 13	2-3	G 51	1899 Oct. 2	CH, S	I.	-0.140	+0.413	+0.438	+0.062	+0.442	+0.421
28	30	5681	1900 Jan. 15	G	4 19	E 0 11	2	G x	1900 Mar. 3	B, S	I.	+0.022	+0.213	-0.1424	+0.349	+0.1420	+0.221
29	40	5682	1900 Jan. 15	GJ	4 32	E 0 8	2	G x	1900 Mar. 11	B, S	I.	+0.004	+0.230	-0.1382	+0.238	+0.1379	+0.238
30	50	5683	1900 Jan. 15	GJ	4 45	E 0 5	2	G x	1900 July 2	H, B	I.	+0.029	+0.221	-0.1202	+0.205	+0.1200	+0.229
31	5	5199	1899 Feb. 4	CW	5 36	W 0 36	3-4	G 51	1899 Feb. 24	CH, B	I.	+0.143	+0.353	-0.1895	+0.457	+0.1908	+0.356
32	10	5195	1899 Feb. 1	CW	5 44	W 0 34	3	G 51	1899 Feb. 28	B, CH	I.	+0.192	+0.439	-0.870	+0.616	+0.882	+0.442
33	20	5684	1900 Jan. 15	GJ	4 58	E 0 22	2	G x	1900 July 17	SB, S	II.	-0.012	+0.222	+0.2925	-0.045	+0.2933	+0.228
34	30	5685	1900 Jan. 15	GJ	5 11	E 0 19	2	G x	1900 July 22	S, SB	II.	-0.106	+0.300	-0.1575	+0.259	+0.1568	+0.307
35	40	5694	1900 Jan. 17	GJ	5 47	W 0 7	3	G x	1900 July 25	S, SB	II.	-0.100	+0.99	-0.1781	+0.308	+0.1783	+0.107
36	50	5719	1900 Feb. 8	GJ	5 27	E 0 23	1-2	G x	1900 July 27	S, SB	II.	+0.006	+0.242	-0.1381	+0.070	+0.1373	+0.248
37	6	5720	1900 Feb. 8	GJ	5 41	E 0 19	1-2	G x	1900 Mar. 13	B, S	I.	+0.167	+0.293	-0.1492	+0.058	+0.1485	+0.300
38	10	5721	1900 Feb. 8	GJ	5 58	E 0 12	1-2	G x	1900 Mar. 19	S, SB	II.	+0.077	+0.348	-0.1550	+0.011	+0.1546	+0.356
39	20	5689	1900 Jan. 16	CW	5 26	E 0 54	2	G x	1900 Mar. 26	S, SB	II.	+0.020	+0.244	-0.2742	+0.073	+0.2724	+0.240
40	30	5690	1900 Jan. 16	CW	5 42	E 0 48	2	G x	1900 Apr. 15	SB, S	II.	-0.071	+0.290	-0.1618	+0.167	+0.1602	+0.289
41	40	5691	1900 Jan. 16	CW	6 0	E 0 40	2	G x	1900 May 17	S, SB	I.	-0.077	+0.351	-0.1468	+0.208	+0.1454	+0.353
42	50	5776	1900 Mar. 10	GJ	6 28	E 0 22	2-3	G x	1900 May 26	S, H	I.	-0.177	+0.279	-0.823	+0.077	+0.816	+0.285
43	7	6658	1902 Jan. 28	W	6 26	E 0 34	3-4	G 61	1903 Aug. 5	L, MC	I.	-0.143	+0.257	+0.16	-0.091	+0.28	+0.260
44	10	5778	1900 Mar. 10	GJ	6 56	E 0 14	3	G x	1903 Aug. 10	L, MC	I.	-0.134	+0.213	-0.1619	+0.064	+0.1614	+0.221
45	20	6659	1902 Jan. 28	W	6 45	E 0 35	3-4	G 51	1903 Aug. 17	L, MC	I.	-0.263	+0.361	+0.65	-0.087	+0.77	+0.364
46	30	4696	1898 Jan. 4	CW	6 57	E 0 33	2	G 51	1903 Aug. 25	L, MC	I.	+0.093	+0.629	+0.137	-0.035	+0.148	+0.632
47	40	6599	1901 Dec. 30	AW	8 6	W 0 26	3-4	G 61	1903 Sept. 12	L, MC, LB	I.	-0.012	+0.558	-0.3820	-0.211	+0.3829	+0.564
48	50	6660	1902 Jan. 28	W	7 2	E 0 48	3-4	G 61	1903 Sept. 20	MC, LB	I.	-0.102	+0.403	-0.90	-0.166	+0.74	+0.402
49	8	4774	1898 Mar. 4	CW	7 46	E 0 14	1-2	G 51	1899 Nov. 7	CH, B	I.	-0.015	+0.460	+0.73	+0.315	+0.77	+0.468
50	10	4697	1898 Jan. 4	CW	7 13	E 0 57	2	G 51	1899 Dec. 5	B, S	I.	+0.143	+0.529	+0.396	-0.039	+0.415	+0.524

ZONE — 44°. Details of Plates.

No.	a ₀ .	Plate.	Exposed		Mean Sid. Time.	Hour Angle	Def.	Réseau.	Measured		Micrometer.	Plate-Constants Applied						Standards
			on	by					on	by		a.	S + a	-P.	b.	P - β.	S.	
	h m				h m	h m												
51	8 20	7781	1904 Mar. 3	W	7 58	E 0 22	3	G 50	1904 May 11	L, MC	I.	- .136 +	.000556 +	.000594 +	.0018 -	.000602 -	.000562	13
52	30	7782	1904 Mar. 3	W	8 9	E 0 21	3	G 50	1904 May 15	L, MC	I.	- .257 +	.621 +	.707 -	.022 -	.714 -	.628	11
53	40	7783	1904 Mar. 3	W	8 20	E 0 20	3	G 50	1904 May 19	L, MC	I.	- .290 +	.531 +	.717 -	.010 -	.724 -	.538	13
54	50	6231	1901 Mar. 29	AW	9 17	W 0 27	4	3 G X	1901 May 28	S, SB	II.	- .149 +	.243 -	.1147 -	.003 -	.1156 +	.248	11
55	9 0	5826	1900 Apr. 18	CW	8 35	E 0 25	2-3	G X	1900 Oct. 11	E, S	II.	- .279 +	.224 -	.1629 +	.164 -	.1620 -	.230	14
56	10	5827	1900 Apr. 18	CW	8 49	E 0 21	2-3	G X	1900 Oct. 16	S, E	II.	- .313 +	.255 -	.1828 +	.105 -	.1821 -	.262	11
57	20	6232	1901 Mar. 29	AW	9 38	W 0 18	4-3	G X	1901 May 30	S, E	II.	- .283 +	.406 -	.1182 -	.004 -	.1188 -	.413	12
58	30	5829	1900 Apr. 18	CW	9 18	E 0 12	2	G X	1900 Dec. 27	B, EW	I.	- .275 +	.313 -	.1664 +	.096 -	.1660 +	.321	13
59	40	6241	1901 Apr. 3	W	9 14	E 0 26	3	G X	1901 June 2	S, E	II.	- .112 +	.303 -	.920 -	.025 -	.911 -	.308	12
60	50	5830	1900 Apr. 18	CW	9 32	E 0 18	2	G X	1901 May 21	S, SB	II.	- .255 +	.234 -	.1513 +	.142 +	.1507 -	.241	14
61	10 0	8752	1906 May 8	W	9 51	E 0 9	3-4	G 50	1906 Oct. 24	NM, MB	II.	+ .199 +	.434 -	.549 -	.297 +	.546 -	.442	11
62	10	5832	1900 Apr. 18	CW	10 0	E 0 10	2	G X	1901 Apr. 16	SB, E	II.	- .217 +	.341 -	.1492 +	.045 +	.1488 -	.349	13
63	20	5833	1900 Apr. 18	CW	10 15	E 0 5	2	G X	1901 Apr. 18	SB, E	II.	- .257 +	.296 -	.1354 +	.127 +	.1352 -	.304	15
64	30	6234	1901 Mar. 29	AW	10 19	E 0 11	4-3	G X	1901 June 30	S, B	I.	- .088 +	.348 -	.533 -	.090 +	.529 -	.356	12
65	40	6243	1901 Apr. 3	W	10 14	E 0 26	3	G X	1901 July 10	SB, E	II.	- .031 +	.252 -	.1053 -	.113 +	.1044 -	.257	13
66	50	7850	1904 May 2	JJ	10 17	E 0 33	3	G 50	1904 July 17	MC, ES	II.	- .145 +	.612 -	.121 -	.072 +	.110 +	.616	12
67	11 0	6236	1901 Mar. 29	AW	11 17	W 0 17	4-3	G X	1901 July 11	SB, E	II.	- .162 +	.376 -	.4801 -	.368 +	.4807 +	.383	12
68	10	6775	1902 Apr. 5	M	11 23	W 0 13	3-4	G 61	1903 Sept. 30	MC, LB, L	I.	- .176 +	.402 +	.57 -	.188 -	.53 -	.410	11
69	20	7851	1904 May 2	JJ	10 36	E 0 44	3	G 50	1904 July 13	ES, MC	II.	- .180 +	.607 -	.81 -	.117 +	.66 -	.607	13
70	30	6245	1901 Apr. 3	W	11 31	W 0 1	3	G X	1901 Aug. 5	S, SB	II.	- .139 +	.208 -	.782 -	.108 -	.782 -	.217	11
71	40	5834	1900 Apr. 18	CW	11 20	E 0 20	1-2	G X	1901 Aug. 14	S, SB	II.	- .225 +	.347 -	.1432 +	.047 -	.1425 +	.354	11
72	50	9336	1909 May 4	RF	11 54	E 0 16	2-3	G 50	1909 Aug. 24	MB, MC	II.	- .004 +	.559 +	.585 -	.009 -	.590 +	.566	13
73	12 0	5412	1899 May 27	CW	11 0	E 1 0	2-3	G 51	1899 July 20	B, S	I.	- .351 +	.335 -	.523 +	.222 +	.503 +	.329	10
74	10	5413	1899 May 27	CW	11 12	E 0 58	2-3	G 51	1899 Aug. 1	B, CH	I.	- .095 +	.422 -	.722 +	.053 +	.703 +	.417	12
75	20	5415	1899 May 27	CW	11 39	E 0 41	2-3	G 51	1899 Aug. 11	S, B	I.	- .062 +	.292 -	.760 +	.071 +	.746 +	.294	11
76	30	7861	1904 May 3	J	11 17	E 1 13	3	G 50	1904 July 15	MC, ES	II.	- .221 +	.523 -	.182 -	.125 +	.159 +	.508	9
77	40	5416	1899 May 27	CW	11 54	E 0 46	2-3	G 51	1899 Oct. 11	CH, S	I.	- .117 +	.363 -	.835 +	.087 +	.819 +	.363	11
78	50	5417	1899 May 27	CW	12 7	E 0 43	2-3	G 51	1899 Oct. 24	B, CH	I.	- .212 +	.504 -	.404 +	.045 +	.389 +	.505	11
79	13 0	7889	1904 May 26	JJ	13 15	W 0 15	3-4	G 50	1904 Sept. 5	ES, MC	II.	- .203 +	.642 -	.211 -	.092 +	.216 +	.649	10
80	10	6293	1901 May 3	W	13 15	W 0 5	3-4	G X	1901 Sept. 5	S, SB	II.	- .116 +	.269 -	.1039 -	.043 +	.1041 +	.277	12
81	20	5420	1899 May 27	CW	12 48	E 0 32	3	G 51	1901 Sept. 15	S, SB	II.	- .267 +	.434 -	.532 +	.011 +	.521 -	.438	11
82	30	6332	1901 June 3	W	12 51	E 0 39	3	G X	1901 Sept. 14	SB, ES	II.	+ .102 +	.433 -	.452 +	.240 -	.438 -	.435	12
83	40	6333	1901 June 3	W	13 19	E 0 21	3	G X	1901 Sept. 20	SB, ES	II.	+ .016 +	.396 +	.650 +	.078 -	.657 +	.403	12
84	50	5945	1900 July 10	GJ	13 38	E 0 12	3	G X	1901 Sept. 24	S, SB	II.	- .378 +	.281 -	.1319 -	.052 +	.1315 +	.289	12
85	14 0	7440	1903 July 6	GJ	13 50	E 0 10	3	G 50	1903 Oct. 7	L, MC	I.	- .136 +	.620 +	.664 -	.021 -	.667 +	.628	11
86	10	6334	1901 June 3	W	13 49	E 0 21	3	G X	1901 Sept. 26	S, SB	II.	+ .191 +	.443 +	.1662 +	.103 -	.1669 +	.450	10
87	20	6335	1901 June 3	W	14 11	E 0 9	3	G X	1901 Oct. 18	S, ES	II.	+ .033 +	.453 -	.1138 +	.178 +	.1135 +	.461	11
88	30	7402	1903 June 6	M	14 21	E 0 9	2-3	G 50	1903 Oct. 11	L, MC	I.	- .052 +	.492 +	.527 -	.420 -	.530 +	.500	12
89	40	6760	1902 Apr. 1	EB	14 18	E 0 22	2-3	G 61	1903 Oct. 17	L, LB	I.	- .058 +	.503 +	.443 -	.111 -	.451 +	.509	9
90	50	6375	1901 July 20	WG	15 8	W 0 18	4-3	G X	1901 Oct. 21	S, SB	II.	+ .243 +	.392 -	.885 +	.258 -	.892 +	.399	10
91	15 0	6922	1902 June 23	M	14 49	E 0 11	3-4	G 50	1903 Aug. 23	NM, ES, LB	II.	- .341 +	.546 +	.270 +	.217 -	.274 +	.554	11
92	10	6923	1902 June 23	M	15 6	E 0 4	3-4	G 50	1903 Sept. 1	LB, ES, MC	II.	- .498 +	.532 -	.54 +	.276 +	.53 +	.541	13
93	20	6924	1902 June 23	M	15 22	W 0 2	3-4	G 50	1903 Sept. 9	MC, LB	II.	- .414 +	.551 +	.156 +	.235 -	.155 +	.560	14
94	30	6925	1902 June 23	M	15 39	W 0 9	3-4	G 50	1903 Sept. 20	NM, ES	II.	- .381 +	.530 +	.295 +	.224 -	.292 +	.538	13
95	40	7925	1904 July 2	JJ	14 56	E 0 44	3-4	G 50	1904 Sept. 7	ES, MC	II.	+ .313 +	.608 -	.1562 -	.050 -	.1547 +	.608	11
96	50	6337	1901 June 3	W	15 38	E 0 12	3	G X	1903 Sept. 25	ES, NM	II.	+ .230 +	.438 -	.991 +	.352 +	.987 -	.446	14
97	16 0	6762	1902 Apr. 1	EB	15 2	E 0 58	2	G 61	1903 Sept. 29	NM, ES	II.	- .097 +	.619 +	.800 -	.038 -	.820 -	.614	11
98	10	6394	1901 July 27	W	15 49	E 0 21	3	G X	1903 Oct. 3	ES, NM	II.	+ .183 +	.173 -	.731 +	.084 -	.724 +	.180	12
99	20	6395	1901 July 27	W	16 10	E 0 10	3	G X	1903 Oct. 9	NM, ES	II.	+ .202 +	.331 -	.844 +	.165 -	.841 +	.339	14
100	30	8011	1904 July 28	W	14 57	E 1 33	3	G 50	1904 Sept. 11	MC, ES	II.	- .284 +	.722 +	.436 -	.010 -	.463 +	.692	14

79. Thin haze.

88. Guiding star very faint.

80. Clock driving badly.

95. Unsteady.

ZONE — 44°. *Details of Plates.*

No.	a_0 . Plate.		Exposed		Mean Sid. Time.	Hour Angle	Def.	Réseau.	Measured		Micrometer.	Plate-Constants Applied.						Standards.		
			on	by					on	by		a .	$S+a$.	$-P$.	b .	$P+\beta$.	S .			
	h	m			h	m	h	m												
101	16	40	6992	1902 July 21	WG	15	8	E 1 32	4-3	G 50	1903 Oct. 15	ES, NM	II.	-0.408	+0.000480	+0.000486	+0.306	-0.000513	+0.000450	14
102		50	6993	1902 July 21	WG	15	24	E 1 26	4-3	G 50	1903 Oct. 21	NM, ES	II.	-0.346	+0.480	+0.289	+0.353	-0.315	+0.455	13
103	17	0	6940	1902 July 8	M	16	55	E 0 5	3-4	G 50	1903 Oct. 28	ES, NM	II.	-0.344	+0.542	+0.521	+0.201	-0.523	+0.550	11
104		10	8018	1904 July 28	W	16	43	E 0 27	3	G 50	1904 Sept. 16	ES, MC	II.	-0.176	+0.623	+0.936	+0.031	-0.946	+0.628	11
105		20	8019	1904 July 28	W	16	58	E 0 22	3	G 50	1904 Sept. 21	MC, ES	II.	-0.182	+0.598	+0.399	-0.022	-0.407	+0.604	12
106		30	8020	1904 July 28	W	17	13	E 0 17	3	G 50	1904 Oct. 14	MC, ES	II.	-0.249	+0.675	+0.643	-0.010	-0.649	+0.682	12
107		40	8387	1905 May 6	JJ	17	21	E 0 19	3	G 50	1905 Oct. 24	ES, MC	II.	+0.051	+0.819	+0.772	-0.088	-0.779	+0.826	12
108		50	8448	1905 June 19	W	16	54	E 0 56	3	G 50	1905 Aug. 15	MC, ES	II.	+0.322	+0.717	+0.780	-0.152	-0.799	+0.713	9
109	18	0	8449	1905 June 19	W	17	11	E 0 49	3	G 50	1905 Aug. 31	MC, ES	II.	+0.235	+0.545	+1.669	-0.172	-1.686	+0.543	11
110		10	8450	1905 June 19	W	17	27	E 0 43	3	G 50	1905 Sept. 27	MC, ES	II.	+0.366	+0.681	+0.836	-0.214	-0.851	+0.682	13
111		20	8451	1905 June 19	W	17	44	E 0 36	3	G 50	1905 Oct. 4	ES, MC	II.	+0.223	+0.699	+0.965	-0.138	-0.977	+0.702	12
112		30	8452	1905 June 19	W	18	0	E 0 30	3	G 50	1905 Oct. 13	MC, ES	II.	+0.220	+0.706	+0.841	-0.215	-0.851	+0.710	11
113		40	8453	1905 June 19	W	18	15	E 0 25	3	G 50	1905 Oct. 20	ES, MC	II.	+0.195	+0.715	+0.762	-0.147	-0.771	+0.721	12
114		50	8094	1904 Sept. 15	JJ	18	33	E 0 17	4-3	G 50	1905 Oct. 25	MC, ES	II.	-0.194	+0.422	+0.378	-0.102	-0.384	+0.429	12
115	19	0	8021	1904 July 28	W	18	3	E 0 57	3	G 50	1904 Sept. 27	ES, MC	II.	-0.153	+0.629	+0.606	0.000	-0.625	+0.624	13
116		10	8022	1904 July 28	W	18	20	E 0 50	3	G 50	1904 Sept. 30	MC, ES	II.	-0.265	+0.656	+0.435	-0.029	-0.452	+0.654	11
117		20	6956	1902 July 14	W	19	4	E 0 16	3	G 50	1903 Oct. 24	LB, L	I.	-0.415	+0.584	+0.523	-0.077	-0.529	+0.591	10
118		30	6470	1901 Sept. 24	WG	19	25	E 0 5	3	G x	1903 Oct. 29	L, LB	I.	+0.199	+0.283	+0.606	+0.090	+0.604	+0.292	11
119		40	8023	1904 July 28	W	18	35	E 1 5	3	G 50	1904 Oct. 4	ES, MC	II.	-0.353	+0.702	+0.599	-0.043	-0.620	+0.693	9
120		50	8024	1904 July 28	W	18	50	E 1 0	3	G 50	1904 Oct. 6	MC, ES	II.	-0.152	+0.789	+0.595	-0.081	-0.615	+0.783	10
121	20	0	6417	1901 Aug. 24	W	19	29	E 0 31	2-3	G x	1903 Aug. 12	ES, NM	II.	+0.184	+0.410	+0.574	+0.061	+0.563	+0.414	12
122		10	6418	1901 Aug. 24	W	19	50	E 0 20	2-3	G x	1903 Aug. 15	NM, ES	II.	+0.318	+0.450	+1.104	+0.096	+1.097	+0.457	11
123		20	6419	1901 Aug. 24	W	20	9	E 0 11	2-3	G x	1903 Aug. 18	ES, NM	II.	+0.248	+0.369	+0.736	+0.108	+0.732	+0.377	12
124		30	8025	1904 July 28	W	19	6	E 1 24	3	G 50	1904 Oct. 9	ES, MC	II.	-0.123	+0.823	+0.366	-0.055	-0.391	+0.799	12
125		40	7069	1902 Oct. 11	M	20	34	E 0 6	3	G 50	1903 Nov. 3	L, LB	I.	-0.089	+0.284	+0.195	+0.343	-0.197	+0.292	13
126		50	7070	1902 Oct. 11	M	20	50	0 0	3	G 50	1903 Nov. 4	L, MC	I.	-0.333	+0.523	+0.513	-0.225	-0.513	+0.532	11
127	21	0	7071	1902 Oct. 11	M	21	5	W 0 5	3	G 50	1903 Nov. 2	NM, ES	II.	-0.194	+0.468	+0.273	-0.162	-0.271	+0.477	9
128		10	8519	1905 July 19	W	21	7	E 0 3	3	G 50	1905 Oct. 30	ES, MC	II.	-0.114	+0.559	+0.232	-0.116	-0.233	+0.568	11
129		20	7551	1903 Aug. 31	M	21	10	E 0 10	1-2	G 50	1904 May 25	L, MC	I.	-0.201	+0.639	+1.357	+0.239	+1.354	+0.647	12
130		30	7552	1903 Aug. 31	M	21	21	E 0 9	1-2	G 50	1904 May 27	L, MC	I.	-0.147	+0.723	+0.4	+0.032	+0.7	+0.731	9
131		40	7553	1903 Aug. 31	M	21	32	E 0 8	1-2	G 50	1904 May 30	L, MC	I.	+0.448	+0.657	+0.357	-0.102	-0.360	+0.665	9
132		50	7554	1903 Aug. 31	M	21	42	E 0 8	1-2	G 50	1904 June 1	L, C	I.	-0.168	+0.520	+0.355	-0.038	-0.358	+0.528	10
133	22	0	7076	1902 Oct. 13	M	21	44	E 0 16	3	G 50	1903 July 31	NM, ES	II.	-0.050	+0.393	+0.214	+0.209	-0.220	+0.400	11
134		10	7077	1902 Oct. 13	M	23	1	W 0 51	3	G 50	1903 Aug. 3	ES, NM	II.	-0.061	+0.445	+0.431	+0.198	-0.434	+0.453	11
135		20	7078	1902 Oct. 13	M	22	16	E 0 4	3	G 50	1903 Aug. 4	NM, ES	II.	-0.054	+0.409	+0.358	+0.157	-0.359	+0.418	12
136		30	7079	1902 Oct. 13	M	22	31	W 0 1	3	G 50	1903 Aug. 5	ES, NM	II.	+0.071	+0.328	+0.678	+0.166	-0.678	+0.337	12
137		40	7080	1902 Oct. 13	M	22	48	W 0 8	3	G 50	1903 Aug. 5	NM, ES	II.	-0.019	+0.409	+0.309	+0.210	-0.306	+0.417	11
138		50	8534	1905 July 20	JJ	22	47	E 0 3	3	G 50	1905 Nov. 1	MC, ES	II.	-0.272	+0.645	+1.516	+0.417	+1.515	+0.654	9
139	23	0	8604	1905 Oct. 10	JJ	22	9	E 0 51	3	G 50	1905 Nov. 3	ES, MC	II.	-0.284	+0.621	+1.917	+0.200	+1.900	+0.619	10
140		10	8605	1905 Oct. 10	JJ	22	24	E 0 46	3	G 50	1905 Nov. 5	MC, ES	II.	-0.132	+0.472	+0.283	-0.039	-0.267	+0.472	10
141		20	7081	1902 Oct. 13	M	23	26	W 0 6	3	G 50	1903 Aug. 6	ES, NM	II.	-0.230	+0.366	+0.248	+0.139	-0.246	+0.374	12
142		30	7082	1902 Oct. 13	M	23	41	W 0 11	3-4	G 50	1903 Aug. 7	NM, ES	II.	-0.022	+0.402	+0.443	+0.213	-0.439	+0.410	14
143		40	7128	1902 Nov. 7	W	23	22	E 0 18	3	G 50	1903 Aug. 8	ES, NM	II.	-0.205	+0.259	+0.677	+0.174	-0.670	+0.266	11
144		50	7129	1902 Nov. 7	W	23	37	E 0 13	3	G 50	1903 Aug. 9	NM, ES	II.	+0.092	+0.363	+0.619	+0.112	-0.623	+0.371	12

109. Guiding star extremely faint.

117. Heavy dew.

118. Strong wind.

141. Gusty wind.

§ XII.—FORMULÆ FOR THE CONVERSION OF CO-ORDINATES.

If α_0, δ_0 denote the R.A. and Declination of a plate centre, α, δ the true R.A. and Declination of a star whose rectangular co-ordinates, expressed in minutes of arc, are denoted by x, y , the rigorous formulæ connecting the quantities α, δ with x, y may be expressed by means of an auxiliary angle ϕ , in the form

$$\begin{aligned} \tan (\alpha-a_0) &= x \sec \phi \tan r' \cos (\phi-\tilde{\delta}_0), \\ \tan \tilde{\delta} &= \tan \phi \cos (\alpha-a_0), \end{aligned}$$

where

$$\tan (\phi-\tilde{\delta}_0) = y \tan r'.$$

Let

$$\tan \theta = x \tan r' \sec \phi.$$

Then we have

$$\begin{aligned} \tan (\alpha-a_0) &= \tan \theta \cos (\phi-\tilde{\delta}_0), \\ \tan \tilde{\delta} &= \tan \phi \cos (\alpha-a_0), \end{aligned}$$

from which the following developments may be derived

$$\begin{aligned} \alpha-a_0 &= \theta - \tan^2 \frac{1}{2} (\phi-\tilde{\delta}_0) \sin 2\theta + \frac{1}{2} \tan^4 \frac{1}{2} (\phi-\tilde{\delta}_0) \sin 4\theta + \dots \\ \tilde{\delta} &= \phi - \tan^2 \frac{1}{2} (\alpha-a_0) \sin 2\phi + \frac{1}{2} \tan^4 \frac{1}{2} (\alpha-a_0) \sin 4\phi + \dots \end{aligned}$$

Since $\phi-\delta, \theta$ are of the order of x and y , on neglecting terms of the 4th and higher orders these formulæ take the approximate forms

$$\begin{aligned} \alpha-a_0 &= \theta - \frac{1}{2} \theta (y^2 \tan^2 r'), \\ \delta-\tilde{\delta}_0 &= \phi - \frac{1}{2} x^2 \frac{\tan^2 r'}{\tan^2 r''} \tan \phi \cos^2 (\phi-\tilde{\delta}_0), \end{aligned}$$

or

$$\begin{aligned} \alpha-a_0 &= [1 - \frac{1}{2} y^2 \tan^2 r'] \tan^{-1} \{x \sin r' \sec \phi\}, \\ \delta-\tilde{\delta}_0 &= \tan^{-1} [y \tan r'] - 30 x^2 \tan r' \tan \phi \cos^2 (\phi-\tilde{\delta}_0), \end{aligned}$$

which may further be expressed in the form

$$\begin{aligned} \alpha-a_0 &= P_1 x + P_2 \\ \delta-\tilde{\delta}_0 &= y + Q_1 x^2 + Q_2 \end{aligned}$$

where if $\alpha-\alpha_0, \delta-\delta_0$ are expressed in seconds of time and seconds of arc respectively

$$\begin{aligned} P_1 &= 4 \sec \phi (1 - \frac{1}{2} y^2 \tan^2 r') \\ P_2 &= P_1 x - \tan P_1 x / \tan r' \\ Q_1 &= -30 \tan r' \tan \phi \cos^2 (\phi-\tilde{\delta}_0) \\ Q_2 &= \phi - \tilde{\delta}_0 - \frac{\tan (\phi-\tilde{\delta}_0)}{\tan r''} \end{aligned}$$

As all the plate centres dealt with in the present volume are confined to the same declination, the quantity ϕ for these plates depends uniquely on y and the quantities P_1, Q_1 , or their logarithms can thus be simply tabulated as a function of y .

Small subsidiary tables give the values of P_2 and Q_2 , the former with argument P_1x as derived in the course of the computation, and the latter with argument y , which only differs from $\phi - \delta_0$ by quantities of the third order.

Tables giving $\log P_1$, $\log Q_1$ with argument y , and these subsidiary tables as applicable to the co-ordinates contained in this volume are appended.

These tables are sufficient to compute the results with an accuracy exceeding $\frac{1}{1000}$ in R.A. and $\frac{1}{100}$ in Declination, but as a rule the final decimal figures may be dropped without detriment.

Examples showing the use of these tables are here given :—

$x = -51' \cdot 447$	$y = -51' \cdot 044$ $= -51' \ 2'' \cdot 64$	$x = +57' \cdot 404$	$y = +54' \cdot 078$ $= +54' \ 4'' \cdot 68$
$\log P_1 = 0 \cdot 751398$	$\log Q_1 = 7 \cdot 93849$	$\log P_1 = 0 \cdot 738578$	$\log Q_1 = 7 \cdot 91190$
$\log x = 1 \cdot 711360n$	$\log x^2 = 3 \cdot 42272$	$\log x = 1 \cdot 758942$	$\log x^2 = 3 \cdot 51788$
$\log (P_1x) = 2 \cdot 462758n$	$\log (Q_1x^2) = 1 \cdot 36121$	$\log (P_1x) = 2 \cdot 497520$	$\log (Q_1x^2) = 1 \cdot 42978$
$P_1x = -290^s \cdot 241$	$Q_1x^2 = +22'' \cdot 97$	$P_1x = +314^s \cdot 428$	$Q_1x^2 = +26'' \cdot 90$
$P_2 = +0 \cdot 43$	$Q_2 = +0 \cdot 22$	$P_2 = -0 \cdot 55$	$Q_2 = -0 \cdot 27$
$\alpha - \alpha_0 = -4^m \ 50^s \cdot 198$	$\delta - \delta_0 = -50' \ 39'' \cdot 45$	$\alpha - \alpha_0 = +5^m \ 14^s \cdot 373$	$\delta - \delta_0 = +54' \ 1'' \cdot 31$

ZONE - 44°. Tables for converting x and y to z and δ .

Argument, $y+$.				Argument, $y-$.				Diff. Log. P_1 .				
y .	Log. P_1 .	Log. Q_1 .	Q_2 .	y .	Log. P_1 .	Log. Q_1 .	Q_2 .	120.	121.	122.	123.	124.
+ 59	0.737987	7.91063	26	- 0	0.745126	7.92568	26	12.0	12.1	12.2	12.3	12.4
58	8107	089	25	1	5248	594	25	24.0	24.2	24.4	24.6	24.8
57	8227	114	26	2	5370	619	25	36.0	36.3	36.6	36.9	37.2
56	8347	140	26	3	5492	644	25	48.0	48.4	48.8	49.2	49.6
55	8467	166	26	4	5614	669	26	60.0	60.5	61.0	61.5	62.0
+ 54	0.738587	7.91192	25	- 5	0.745736	7.92695	25	72.0	72.6	73.2	73.8	74.4
53	8708	217	26	6	5858	720	25	84.0	84.7	85.4	86.1	86.8
52	8828	243	26	7	5981	745	25	96.0	96.8	97.6	98.4	99.2
51	8948	269	25	8	6103	770	26	108.0	108.9	109.8	110.7	111.6
50	9068	294	26	9	6225	796	25					
+ 49	0.739189	7.91320	26	- 10	0.746348	7.92821	25					
48	9309	346	25	11	6470	846	25					
47	9429	371	25	12	6592	871	25					
46	9550	397	26	13	6715	896	26					
45	9671	423	25	14	6837	922	25					
+ 44	0.739791	7.91448	26	- 15	0.746960	7.92947	25					
43	0.739911	474	25	16	7082	972	25					
42	0.740032	499	26	17	7205	7.92997	25					
41	0153	525	26	18	7327	7.93022	25					
40	0273	551	26	19	7450	047	25					
+ 39	0.740394	7.91577	25	- 20	0.747573	7.93072	26					
38	0515	602	25	21	7695	098	25					
37	0636	628	26	22	7818	123	25					
36	0756	653	25	23	7941	148	25					
35	0877	679	25	24	8064	173	25					
+ 34	0.740998	7.91704	26	- 25	0.748186	7.93198	25					
33	1119	730	25	26	8309	223	25					
32	1239	755	25	27	8432	248	25					
31	1360	781	26	28	8555	273	25					
30	1481	806	25	29	8678	298	25					
+ 29	0.741602	7.91832	25	- 30	0.748801	7.93323	25					
28	1723	857	25	31	8924	348	25					
27	1844	883	26	32	9047	373	25					
26	1966	908	25	33	9171	398	25					
25	2087	934	25	34	9294	423	25					
+ 24	0.742208	7.91959	26	- 35	0.749417	7.93448	25					
23	2329	7.91985	25	36	9540	473	25					
22	2450	7.92010	26	37	9663	498	25					
21	2571	036	25	38	9787	523	25					
20	2693	061	26	39	0.749910	548	25					
+ 19	0.742814	7.92087	25	- 40	0.750033	7.93573	25					
18	2935	112	25	41	0157	598	25					
17	3057	137	25	42	0280	623	25					
16	3178	163	26	43	0404	648	25					
15	3300	188	25	44	0527	673	25					
+ 14	0.743421	7.92214	25	- 45	0.750651	7.93698	25					
13	3543	239	25	46	0774	723	25					
12	3664	264	26	47	0898	748	25					
11	3786	290	25	48	1022	773	25					
10	3908	315	26	49	1145	798	25					
+ 9	0.744029	7.92341	25	- 50	0.751269	7.93823	25					
8	4151	366	25	51	1393	848	25					
7	4273	391	25	52	1516	873	25					
6	4395	417	25	53	1640	897	25					
5	4516	442	25	54	1764	922	25					
+ 4	0.744638	7.92467	25	- 55	0.751888	7.93947	25					
3	4760	492	26	56	2012	972	25					
2	4882	518	25	57	2136	7.93997	25					
1	5004	543	25	58	2260	7.94022	25					
0	5126	568	25	59	2384	047	25					

Diff. Log. Q_1 .			
	24.	25.	26.
.1	2.4	2.5	2.6
.2	4.8	5.0	5.2
.3	7.2	7.5	7.8
.4	9.6	10.0	10.4
.5	12.0	12.5	13.0
.6	14.4	15.0	15.6
.7	16.8	17.5	18.2
.8	19.2	20.0	20.8
.9	21.6	22.5	23.4

P_2 . Arg., P_1x .			
$(P_2$ opposite sign to x .)			
P_1x .	P_2 .	P_1x .	P_2 .
s	s	s	s
60	0.000	200	0.014
70	1	210	16
80	1	220	19
90	1	230	21
100	2	240	24
110	2	250	27
120	3	260	31
130	4	270	35
140	5	280	39
150	6	290	43
160	7	300	48
170	8	310	53
180	10	320	58
190	12	330	63
200	0.014	340	0.068

EXPLANATION OF THE CATALOGUE OF RECTANGULAR
CO-ORDINATES, ETC.

The plates are arranged in order of Right Ascension and numbered consecutively.

At the head of each plate is given the zone, rotation number of the plate in the zone, epoch, and right ascension of the centre. In the centre of the page is inserted the limiting diameter D , for which the measures have been systematically verified by comparison with an overlapping area (*see* § IX.).

For each plate the stars are arranged in order of the x co-ordinate (approximately that of R.A.), except in the case of the components of a double or multiple star, where this order has been slightly departed from so as to bring the measures of the separate components into juxtaposition. The stars are numbered in rotation for purposes of reference as indicated by the heavy type at the head of each column and the ordinary type in the first column. For easy identification the sign of the x co-ordinate is inserted for the first and sixth stars of each group.

In Column 1.

The figures indicate the ordinal number of the star on the following line. S denotes a Standard Star.

* that three images of the star are visible on the plate.

† that the measured image falls on a réseau line.

‡ that three images are visible and that the measured image falls on a réseau line.

[, if opposite a single star only, that the star is suspected of duplicity, but that the images of the components are not clearly separated and have been measured as one mass. A note is added when the duplicity was certain but the components not so clearly separated as to be measured separately.

The same symbol, if connecting adjacent lines, indicates that the images have been regarded as components of a double or multiple star, but separately measured.

N or n indicates that the star concerned is referred to in a footnote. N refers to the observations for the present catalogue, n to the C.P.D. results.

M, m , etc., have the same significance as in column 5.

Columns 2, 3 contain the measured rectangular co-ordinates.

The original measures were confined to star images contained within the extreme réseau lines 2, 26, 31, 55, so that the uncorrected co-ordinates lie within the limits $x = \pm 59' \cdot 8$, $y = \pm 59' \cdot 8$.

Column 4 contains the observer's estimate of the diameter of the measured image expressed in intervals of the close parallel webs in the micrometer (about $4''\cdot5$) as unit, or, in the case of the fainter stars, the estimated density of the photographic image on a scale, indicated by the prefix of a minus sign, extending from -1 , for the brightest stars which fail to attain the full density of the larger images, to -5 , for the faintest stars visible. The quantity D is printed in the heading of this column.

Column 5 contains the number of the star in the *Cape Photographic Durchmusterung*, and notes resulting from the revision of the plates, for a full explanation of which reference may be made to § IX. When the mass of two or more consecutive stars is given in the C.P.D., the number and magnitude are printed between the two lines, or the dots (. . .) are omitted on lines adjacent to the number.

Column 6 gives the magnitude of the star extracted from the *Cape Photographic Durchmusterung*.

The initials of the observers, to be interpreted as in § X., are inserted at the foot of the opening page for each plate, together with the rotation numbers of the stars at which an interchange of observers took place.

S. S. HOUGH.

ROYAL OBSERVATORY, CAPE OF GOOD HOPE,

• 1915 June 30.

Errata.

Vol. I.				Vol. II.				Vol. III.			
Page	No.	For	Read	Page	No.	For	Read	Page	No.	For	Read
xliv.	51	15 Standards	14	xxiii.	Line 25	+0.014605	-0.014605	xxiii.	Line 18	±0.014886	∓0.014886
xliv.	59	17 "	15	39	70, 1	40°.581	41°.581	xxiii.	" 25	+0.014886	-0.014886
xlv.	107	7 "	9	107	198	+8'.455	-8'.455	xxxv.	+26'	0.734890	0.734880
31	90	-14'.669	+14'.669	193	209	-32.721	+32.721	24, 5	Epoch	1892.92	1899.92
107	101	-52.055	-52.005	227	432	+51.535	+51.505	84	826	43°.1367	43°.1364
183	324	Diam. 1.00	1.50	495	128	+58.683	+58.680.	253, 4	Epoch	1900.54	1901.54
415	Footnote	116	166	Insert N and note to*				9	141	Insert S	
423, 4	Epoch	1901.11	1901.87	43	16	1919, x=	54'.301	304	315	Delete M	
425	"	1901.11	1901.87	48	134	1918, y=	-14'.644	363	441	" N [and note.	
25	94	Insert N		57	181	1918, x=	24'.225			Insert N and note to*	
25	116	" S		60	11	1918, x=	58'.106	68	1	1918, x=	58'.878
46	426	" S		198	53	1918, x=	44'.000	79	646	1918, y=+	9'.218
46	427	Delete S		207	135	1918, y=	+50'.852	289	174	1918, y=-	9'.709
		Insert N and note to*		212	46	1918, y=	-49'.849	394	89	1918, y=-	40'.432
86	421	1918, y=	-9'.848	217	119	1918, x=	5'.155	409	446	1918, y=-	58'.973
202	381	1918, y=	-9'.397	245	89	1918, y=	+10'.004				
305	1295, 6	42°.102, mass.		307	828	1918, y=	-54'.545				
423	97	1918, x=	2'.753	312	116	1918, y=	+0'.103				
				493	176	1918, x=	53'.261				

* Revised measurements.

Re-measures of Stars subsequently found discordant.

Vol. I.				Vol. II.				Vol. III.			
Page	No.	For	Read	Page	No.	For	Read	Page	No.	For	Read
8	122	58'.259	58'.249	4	77	-50'.956	-50'.971	2	162	+19'.995	+19'.983
33	211	-55.418	-55.428	28	1	59.510	59.497	3	11	52.863	52.850
73	136	-57.848	-57.856	42	432	58.881	58.866	15	5	54.052	54.037
139	708	-39.889	-39.898	42	436	+38.599	+38.581	51	236	+41.159	+41.146
166	66	50.054	50.021	43	22	+38.664	+38.655	58	93	41.122	41.130
179	365	-24.312	-24.299	49	226	-50.026	-50.035	89	318	-5.931	-5.948
230	124	15.718	15.708	62	430	14.545	14.559	102	466	15.428	15.445
230	124	-58.569	-58.557	107	240	+36.237	+36.204	111	794	15.623	15.595
308	1934	56.710	56.695	107	247	+31.063	+31.030	121	475	3.554	3.543
308	1935	56.842	56.830	108	381	7.850	7.839	150	81	49.300	49.290
309	20	+38.422	+38.402	111	10	56.958	56.948	300	410	-16.644	-16.664
320	528	-46.612	-46.629	147	123	+19.864	+19.877	359	466	+31.811	+31.796
333	1275	-59.257	-59.283	155	630	-34.846	-34.856				
399	368	+15.213	+15.233	184	525	+25.026	+25.042				
399	12	+15.281	+15.270	186	14	+56.256	+56.241				
405	92	-0.128	-0.107	233	470	24.614	24.589				
				252	199	-3.386	-3.375				

ROYAL OBSERVATORY, CAPE OF GOOD HOPE.

RECTANGULAR CO-ORDINATES 1900.0.

FOR

ASTROGRAPHIC ZONE -44°

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
	1-60						61-120						121-180					
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
*	-59°079	-17°780	1.15	44.10390	9.8	...	-31°383	+46°815	-2	...	...	...	-1°561	+5°037	0.80	...	...
...	58°950	+20°072	-1	...	...	...	31°100	+25°612	-5	...	...	...	1°449	+41°978	-5	m	...
...	58°655	+3°747	-5	M	...	...	30°340	-16°589	0.85	...	...	...	1°401	+22°944	-5	m	...
*	58°299	-40°394	1.20	44.10391	9.8	...	30°062	-50°064	-5	M	...	...	1°375	-48°623	-4	m	...
...	57°579	-30°895	-1	44.10392	10.2	...	28°546	-42°322	-5	...	...	...	1°325	-29°763	-5	Mm	...
...	-57°441	+23°373	-5	...	...	...	-28°328	+16°271	-5	...	...	...	-1°170	-2°447	-5	Mm	...
...	56°158	-0°993	-5	M	...	...	27°452	-22°428	-5	...	...	...	1°009	-43°233	1.00	44.10401	10.2
...	56°041	+19°223	-5	...	...	S*	27°267	-30°394	1.75	44.10397	8.4	...	0°924	-55°309	-3	m	...
†	55°244	+49°172	-5	...	...	...	27°200	+9°112	-5	...	...	...	-0°113	-47°919	-5	m	...
...	54°133	-54°415	-5	...	...	...	26°428	+57°588	-5	...	...	*	+0°240	+52°558	1.50	43.9811	8.6
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-53°848	+3°640	-5	...	...	...	-25°996	+38°581	-1	...	...	*	+0°643	-24°476	1.30	44.10402	8.5
...	53°553	-52°735	-4	...	...	†	25°136	-37°971	0.95	...	...	...	1°155	-55°329	-5	m	...
...	53°365	-2°129	0.90	...	...	...	24°727	+58°602	-5	...	...	...	1°348	+21°243	1.00	43.9812	10.2
...	52°880	+25°786	-5	...	...	...	24°629	+14°746	1.00	...	...	...	2°199	+25°491	-5	Mm	...
*	52°810	-10°203	1.60	44.10393	9.0	...	23°599	-51°532	-4	...	...	...	2°205	+50°897	-3	...	...
...	-52°620	-57°387	-5	...	...	...	-23°539	-51°968	-4	...	...	...	+2°541	-41°719	-5	Mm	...
S*	51°808	+4°516	2.00	44.10395	8.2	...	22°124	+36°401	-5	...	...	...	3°065	+39°173	0.85	...	...
...	51°692	-55°099	-5	...	...	...	21°136	-51°819	-5	...	...	...	3°882	+39°888	0.95	...	...
S*	51°436	-51°055	3.80	44.10394	6.8	*	20°639	-18°437	1.00	44.10398	9.6	S*	4°058	+33°335	2.10	43.9813	8.0	
...	50°955	+20°477	-5	M	...	...	19°923	-55°586	1.05	45.10509	10.2	...	4°071	-48°291	1.00	...	...
2I	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
*	-50°778	-52°806	1.30	45.10504	9.4	...	-19°307	-43°478	-2	...	...	...	+5°065	-34°422	-5	m	...
...	49°912	+4°929	1.00	44.10396	10.2	...	19°289	+35°777	0.95	...	...	...	5°128	+33°858	1.00	43.9814	10.0
...	48°790	-41°504	1.00	...	...	...	18°425	+29°156	-4	...	...	...	5°179	+0°455	-4	Mm	...
...	48°518	-47°400	-5	M	...	...	17°479	+19°439	1.00	...	...	*	5°239	-58°905	1.25	45.10516	9.4
...	46°389	-58°265	-5	...	...	...	17°055	+29°813	-5	...	...	...	5°569	-15°598	-5	Mm	...
...	-45°931	-14°929	-5	M	...	...	-16°779	+18°941	-5	...	...	...	+6°290	-50°644	0.90	...	...
S*	45°060	+52°041	1.95	43.9809	8.5	...	16°648	+22°068	-3	...	...	...	7°017	-38°096	-5	m	...
...	44°949	-12°464	0.70	...	...	...	16°629	+19°311	-5	...	...	...	7°206	-32°149	-5	m	...
...	43°855	+18°875	-1	...	...	...	15°283	-50°836	-5	...	...	...	7°504	+6°204	-1	...	...
...	43°676	+1°421	-3	...	...	...	14°842	+21°906	-4	...	...	...	7°569	-7°356	-5	m	...
3I	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-43°585	+43°122	-4	...	...	...	-13°465	+51°392	-5	...	...	...	+7°882	+49°779	-5	m	...
...	43°342	-25°939	0.70	...	...	...	13°193	+52°987	-3	...	...	...	8°131	-33°900	0.80	...	...
...	42°975	+10°007	-5	...	...	S†	12°734	+15°251	1.30	43.9810	9.0	...	8°206	-45°840	-5	m	...
†	42°880	+10°247	-3	...	...	†	12°136	+55°176	-4	...	...	...	9°147	+18°816	-5	m	...
...	42°794	+32°196	-4	...	...	...	11°889	-49°142	-2	...	...	*	10°172	-14°886	2.00	44.10403	8.3
...	-42°255	-2°024	-5	M	...	...	-11°525	+45°679	-5	...	...	*	+10°385	+1°051	1.05	44.10404	9.2
...	42°216	-41°892	-3	...	...	...	11°518	-0°450	-4	...	...	...	10°502	+35°713	-2	...	...
...	41°583	+58°188	-3	...	...	*	10°791	-36°458	1.40	44.10399	9.2	...	11°955	-27°082	0.95	...	...
...	41°089	-7°549	0.80	...	...	†	10°781	-49°557	-5	...	...	*	12°406	+59°878	1.20	43.9815	10.0
...	40°830	+24°034	0.75	...	...	*	10°378	-52°683	1.35	45.10511	9.2	...	12°911	-17°617	1.00	44.10405	10.2
4I	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-39°667	+22°770	-1	...	...	...	-9°806	-21°116	-4	...	...	...	+13°332	+27°208	-5	m	...
...	37°601	+57°153	0.65	...	...	...	9°567	+54°018	-4	...	...	...	13°858	-8°274	1.05	44.10406	9.4
...	37°468	-42°228	-5	M	...	...	9°179	-45°030	-5	...	...	...	14°790	-27°604	1.00	44.10407	9.8
...	37°426	-27°413	0.65	...	...	...	8°872	+22°035	-5	M	...	*	14°920	-11°085	1.35	44.10408	9.2
...	37°336	+4°529	-3	...	...	...	8°694	-32°652	2.40	44.10400	7.8	...	15°240	-38°765	0.85	...	...
...	-36°842	+38°489	-1	...	...	...	-8°571	-53°835	0.95	...	...	...	+15°667	+36°289	-5	m	...
...	36°490	-48°154	-5	M	...	...	7°691	-46°740	0.85	...	...	...	16°027	-27°603	-5	m	...
...	36°213	+2°310	-3	...	...	...	7°426	+22°489	-4	...	...	...	16°125	-50°276	-3	a	...
...	36°166	-48°814	-4	...	...	...	7°037	-48°768	-4	...	...	...	16°190	-5°487	-4	m	...
...	35°618	-38°858	-3	...	...	...	6°504	+30°546	-3	...	...	...	16°291	+12°544	-5	m	...
5I	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-35°554	+25°402	-4	...	...	...	-6°464	-53°028	-5	Mm	...	...	+16°449	+23°864	-3	...	...
...	34°795	+27°384	-4	...	...	...	6°149	-25°832	-5	m	...	...	17°792	-48°894	-2	...	...
...	34°644	+48°103	-4	...	...	...	5°832	-22°614	-4	m	...	*	18°548	+22°468	1.00	43.9816	10.2
...	33°211	+21°266	-5	...	...	S*	5°473	-51°620	1.30	45.10515	9.4	...	19°286	-18°581	-4	m	...
...	32°928	+17°571	-2	4°824	-9°414	0.65	†	19°763	-42°448	-4	m	...
...	-32°617	+44°228	-5	...	...	...	-3°323	-27°965	-5	Mm	...	S†	+19°781	-32°603	2.85	44.10409	7.6
...	32°525	+32°885	-5	M	2°881	+35°121	-3	21°524	+8°036	-4
...	32°461	-42°055	-5	M	2°818	+47°561	-5	Mm	23°244	-6°637	0.85
...	31°884	+27°876	-2	1°970	+34°791	-5	Mm	23°298	-12°749	-5	m	...
...	31°506	+54°721	-3	1°877	-17°643	-3	23°892	+35°430	-5	m	...

L measured from 1, 64, 129, 191.
C " " 27, 90, 163, 225.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
181-210						211 240						241 254							
181	+24·250	+55·557	- 4	m	...	211	+37·608	-28·907	- 5	m	...	241	+53·783	-52·616	- 5	m	...		
...	24·447	+ 3·880	- 1	...	...	...	38·103	-11·582	- 5	m	...	...	54·325	- 5·666	- 5	e	...	
S*	25·439	+52·914	1·50	43.	2	9·0	...	39·096	+55·019	- 3	...	...	55·059	-55·235	- 5	m	...	
...	26·058	- 6·287	- 5	m	...	...	...	39·266	+44·090	- 5	m	...	...	55·212	+ 21·529	- 5	m	...
...	27·963	+56·551	- 1	...	...	...	...	39·479	-22·618	- 5	m	...	...	55·538	+ 36·942	- 5	m	...
...	+28·089	-54·246	- 5	m	...	*	...	+39·496	-15·964	1·05	44.	8	9·8	...	+55·640	+48·055	1·00	...	
*	28·419	-38·349	1·10	44.	4	9·8	...	40·064	-41·159	- 5	m	...	...	56·260	-17·921	- 5	m	...
...	28·605	+44·068	0·90	...	...	...	...	40·567	- 2·960	- 5	m	...	...	56·722	+ 38·631	- 5	m	...
...	29·220	+41·687	1·00	...	...	*	...	41·519	+31·287	1·25	43.	7	9·4	...	57·008	- 7·202	- 3	e
...	29·492	-17·874	- 5	m	42·607	+ 3·665	- 5	m	...	S*	57·367	- 5·233	1·60	44.	11	8·5
191	+29·781	-43·591	0·95	...	...	221	...	+42·667	+46·604	- 4	...	...	251	+57·371	+29·694	- 3	...	...
...	29·812	+28·764	1·00	43.	3	10·2	...	42·842	+ 4·503	- 5	m	...	...	58·101	+ 32·631	- 5	m	...
...	29·843	-34·873	0·85	*	...	43·137	-51·711	1·35	44.	9	9·2	...	58·410	-39·364	- 5	m	...
*	30·190	+16·327	1·00	43.	4	10·2	...	43·700	-44·041	- 5	m	...	...	59·268	-26·959	0·70	...	...
...	30·359	+12·965	- 2	...	...	...	...	44·994	-43·760	0·70	...	...	...	...	...	...	...	...
...	+30·702	+18·741	- 5	m	...	...	...	+45·032	-50·094	- 3	b	...	...	...	...	...	...	...
*	31·436	- 0·852	1·40	44.	5	9·0	...	47·576	-47·790	- 4	m	...	...	...	...	...	...	...
...	31·460	+23·628	- 5	m	...	...	...	49·470	-20·405	- 5	m	...	...	...	...	...	...	...
...	33·845	-53·381	- 5	m	...	...	...	50·137	+57·981	- 5	...	...	...	...	...	...	...	...
*	33·870	-12·274	1·20	44.	6	9·4	...	50·315	+40·707	0·75	...	...	...	...	...	...	...	...
201	+34·656	+37·250	- 4	...	...	231	...	+50·364	+ 3·349	- 5	m	...	...	...	...	...	...	...
...	35·028	+15·782	0·65	...	...	...	...	50·451	+36·425	- 5	m	...	...	...	...	...	...	...
†	35·330	+35·204	- 5	...	...	...	...	50·514	-54·057	0·65	...	...	...	...	...	...	...	...
*	35·519	+29·795	1·25	43.	5	9·2	...	52·102	+26·208	- 4	e	...	...	...	...	...	...
S*	35·868	-50·011	1·50	44.	7	8·6	...	52·449	-44·042	- 4	e	...	...	...	...	...	...
...	+36·293	-34·261	- 4	m	...	...	...	+53·103	+21·575	- 2	...	...	...	...	...	...	...
...	36·920	+13·908	0·90	...	...	...	...	53·352	+11·310	- 1	...	...	...	...	...	...	...
*	36·933	+16·550	1·00	43.	6	10·2	...	53·605	+ 7·597	0·65	...	...	...	...	...	...	...
...	37·023	-43·037	- 2	a	...	...	...	53·705	-44·191	1·25	44.	10	9·4	...	...	...	...
...	37·352	+51·718	- 1	...	...	...	...	53·773	+ 8·709	- 1	...	...	...	...	...	...	...

1-20						21 40						41-60										
I	...	-59·520	+57·824	- 5	21	...	-41·608	+50·692	- 5	M	...	41	...	-25·579	+16·662	2·40	43.	9	7·5	
...	...	58·840	+40·573	- 3	...	...	...	...	41·324	+ 2·483	- 2	...	...	...	24·075	+49·871	0·75	...	...	...
...	...	56·618	+26·117	- 5	E	...	...	...	41·055	+56·544	- 1	...	...	...	23·093	-17·789	- 3	...	...	...
...	...	55·751	-54·148	- 4	...	...	...	...	40·290	+ 2·464	- 3	...	...	*	22·835	- 7·664	1·00	44.	13	9·4
...	...	55·457	+21·522	- 4	...	...	...	...	37·437	-10·352	- 5	M	...	...	21·683	-41·486	- 4	A	...	...
†	...	-54·911	+11·276	- 3	...	...	...	...	-37·417	+13·405	- 5	M	...	*	-21·587	+ 0·945	1·35	44.	14	8·6
...	...	54·562	+ 7·588	0·70	...	...	*	...	36·728	+20·729	1·00	43.	8	9·8	...	20·381	-21·944	0·90	...	...
...	...	54·421	+ 8·700	- 2	...	...	...	...	36·151	+25·023	- 5	M	...	*	20·281	+22·649	2·90	43	10	7·2
...	...	54·123	-44·072	- 5	E	...	...	...	36·138	-55·063	1·15	45.	13	9·8	S*	19·130	-36·707	- 3	...	...
...	...	53·459	- 5·055	- 5	E	...	...	...	35·480	+ 4·571	0·65	...	...	...	16·368	-15·818	0·85	44	15	10·2
II	...	-52·869	-44·174	1·30	44.	10	9·4	...	31	...	-35·142	-13·725	0·90	...	51	...	-15·589	-13·011	1·15	44	16	9·4
*	...	51·436	+29·771	- 5	...	...	...	...	...	34·785	+37·384	0·80	...	...	...	15·567	-22·610	- 5	M	...
†	...	50·802	-47·981	- 1	...	...	...	...	...	34·598	+53·674	- 5	...	...	...	14·916	- 21·507	- 2	...	...
...	...	50·686	- 7·111	- 2	E	...	...	...	...	34·504	-34·740	- 4	A	...	...	14·784	-13·808	0·75	...	...
S†	...	50·388	- 5·127	1·50	44.	11	8·5	...	...	33·444	-41·225	- 3	A	...	...	14·292	+ 57·403	0·90	...	...
...	...	-47·833	-26·789	0·70	...	...	...	...	...	-33·226	-10·906	- 1	...	...	...	-14·158	+39·249	0·70	...	...
*	...	47·813	+33·689	1·00	30·730	+ 1·449	- 5	M	...	*	14·052	+25·440	1·00	43	11	10·2	
...	...	44·781	+42·255	- 3	...	...	...	...	...	29·871	-56·524	- 3	A	...	...	13·536	+14·537	- 3	...	...
...	...	43·834	-35·120	0·90	44.	12	10·2	27·876	-36·523	0·70	13·530	-27·392	0·95	44	17	10·2	
...	...	42·924	-35·741	- 5	M	...	...	...	...	26·568	+22·611	- 5	M	...	...	13·298	+25·194	- 5	...	...

L measured from 1, 77.
C " " " " 38, 123.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.						
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.					
61-100						101-140						141-171										
61	-12°961	+32°433	-5	°	M	...	101	+15°082	-20°195	1·70	44.	23	7·9	141	+44°090	-6°029	1·25	44.	32	9·8		
...	12°163	+47°768	-5		M	...	...	15°110	+26°836	2·20	43.	19	7·3	...	44°114	+57°172	-1	...	...	...
...	11°404	-35°453	-2		...	...	...	16°703	-51°128	-3	...	...	...	...	44°145	-8°239	-4	b	...	...
...	10°785	+40°099	1·05	43.	12	9·8	...	16°922	-13°235	-5	...	...	...	...	44°947	-39°154	-1	...	...	...
...	10°495	-53°489	0·65	...	...	...	...	16°995	-20°845	0·75	...	...	...	...	45°248	+36°214	-4	a	...	...
...	-10°372	+31°147	-2	...	...	...	...	* +17°014	-24°864	1·60	44.	24	8·4	...	+45°599	+0°723	1·00	...	...	...
...	10°286	+15°363	1·10	43.	13	9·4	18°509	+23°893	0·85	43.	20	10·2	...	* 45°631	-23°779	1·00	44.	33	9·8	
S*	7°819	+12°432	1·40	43.	14	8·8	20°356	-18°434	0·70	45°939	-28°834	1·00	44.	34	10·2	
...	7°221	-19°801	-4	A	20°419	+9°918	0·80	46°259	+47°464	1·00	43.	24	10·2
S*	7°186	-42°119	1·05	44.	18	9·2	* 20°580	-5°784	1·20	44.	25	8·6	46°640	+51°241	-4	
71	-7°128	-2°269	-2	...	...	...	111	* +22°504	-20°645	1·00	44.	26	9·6	151	+46°835	+3°991	-5	m	...	...
...	7°103	-4°139	1·00	44.	19	9·8	...	...	23°069	+45°502	-4	a	...	...	47°209	+2°590	0·70	...	...	...
...	4°847	+14°339	-4	...	...	...	S*	23°554	-55°270	1·70	45.	18	7·9	...	47°683	+23°541	0·85	...	...	...
S*	3°889	-23°230	1·30	44.	20	8·5	...	23°809	+9°282	-5	...	...	...	...	* 47°858	+4°256	1·10	44.	35	9·6
...	1°097	-18°482	-5	M	...	...	...	23°960	-24°566	2·05	44.	27	7·8	...	...	48°132	+5°453	-2	e	...
...	-0°615	+11°171	0·80	* +24°407	+28°862	-5	m	+48°305	-37°907	1·00	44.	36	10·2	
...	+1°706	+42°745	0·80	...	...	...	...	26°932	-35°337	0·90	...	...	...	...	...	49°935	+37°004	-1	...	...
...	2°649	-57°766	-5	M	* 27°001	-23°814	0·90	44.	28	10·0	* 50°577	+21°393	1·35	43.	25	8·6	
...	* 3°071	+56°848	1·60	43.	15	9·2	...	* 27°162	-30°828	1·00	44.	29	9·2	50°588	-15°716	-5	
...	3°262	+17°968	-3	* 27°538	+48°861	1·40	43.	21	9·2	* 51°545	-2°422	1·00	44.	37	9·8	
81	+3°588	+58°064	-4	...	...	...	121	...	+28°349	-13°129	-4	...	...	161	+52°488	-27°594	-4	...	...	...
...	3°644	-29°135	-3	...	...	...	...	...	28°453	+58°221	-3	...	...	...	52°663	-7°036	0·95	44.	38	10·2
...	4°077	-57°388	-5	M	...	...	...	...	29°875	-12°499	0·70	...	...	...	53°622	-13°110	-3	...	...	...
†	4°938	+23°665	-3	...	...	...	...	...	30°801	+37°738	-5	m	...	...	53°660	-19°290	-4	...	...	...
...	5°629	-7°795	-5	M	...	...	...	...	32°247	-22°580	-5	m	...	...	54°615	-33°655	-1	...	...	...
...	+5°781	-40°727	-3	...	...	...	...	...	+32°253	-28°563	-4	...	...	...	+55°154	+47°648	1·00	43.	27	9·8
...	8°262	-9°401	0·80	44.	21	10·2	...	...	32°518	-2°211	-5	m	...	...	56°607	+19°479	1·00	...	...	...
...	* 8°627	-39°560	1·00	44.	22	9·4	...	...	32°731	+13°348	-5	m	...	...	57°640	-3°560	-5	e	...	...
...	9°194	+54°103	0·85	* 33°195	+1°973	0·95	44.	30	10·2	58°286	-21°150	-5	
...	10°150	+10°664	-2	...	...	...	S*	33°562	-31°749	1·70	44.	31	8·3	...	...	59°365	+40°308	0·70	...	...
91	+10°424	+6°408	-3	...	...	...	131	...	+34°463	+15°289	0·70	...	...	171	* +59°530	+52°509	1·50	43.	28	9·2
...	10°749	+29°207	-3	...	...	...	...	...	37°670	-12°285	0·70	...	...	...	...	...	...	...	...	...
...	* 11°329	+19°476	1·00	43.	17	9·4	...	...	37°854	-6°773	-4	...	...	...	...	...	...	...	...	...
S*	11°362	+46°373	1·35	43.	16	8·4	...	...	39°264	+26°469	0·95	...	...	...	...	...	...	...	...	...
...	11°796	+41°324	-2	...	...	...	...	...	40°241	-37°359	-3	...	...	...	...	...	...	...	...	...
...	* +11°871	+30°004	0·95	43.	18	9·8	S*	+40°368	+12°303	3·30	43.	23	6·5	...	...	...	...	...	...
...	12°889	+47°024	-4	a	...	...	...	...	41°291	-32°231	-4	...	...	...	...	...	...	...	...	...
...	13°714	+43°876	-2	...	...	...	...	...	41°337	-20°204	0·80	...	...	...	...	...	...	...	...	...
...	14°211	+10°422	-3	a	...	...	...	...	41°885	-25°209	-4	...	...	...	...	...	...	...	...	...
...	14°342	+22°172	0·85	...	...	...	...	...	42°866	+26°570	-2	...	...	...	...	...	...	...	...	...

1-10						11-20						21-30							
I	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.	Diam.	C.P.D.		Notes.	Co-ordinates.	Diam.	C.P.D.					
	x.	y.		No.	Mag.				x.	y.				No.	Mag.	x.	y.	No.	Mag.
...	-59°952	+5°277	-3	°	E	...	II	-53°907	-13°121	-2	...	21	-48°404	+57°346	1·05	43.	29	10·0	
...	59°099	+33°277	-5		M	...	...	53°670	-19°284	-5	...	...	47°750	+35°808	-5	M	...	...
...	59°088	+36°866	-3	...	...	...	...	52°296	-33°611	-1	...	...	46°994	-51°068	-5	...	...	...
...	58°459	-38°058	1·00	44.	36	10·2	...	51°895	+19°543	1·00	...	...	45°925	-50°023	-1	...	...	...
...	* 57°975	+21°272	1·80	43.	25	8·6	...	50°648	+56°020	-5	M	...	...	45°408	-36°595	1·00	...	...
...	-56°837	-15°807	-5	...	...	...	†	-50°168	-3°454	-5	E	...	...	-44°358	-49°904	0·90	...	...
...	* 56°291	-2°508	1·00	44.	37	9·8	S*	49°995	+52°654	1·70	43.	28	9·2	...	43°880	+50°293	-5	M	...
...	† 55°042	-7°068	1·00	44.	38	10·2	...	49°773	+40°459	-1	...	...	...	43°650	-39°110	0·95	...	...
...	54°598	-27°609	-5	...	...	...	...	49°165	-41°763	-5	...	...	...	43°566	+18°259	-2	A	...
...	54°209	+47°652	1·05	43.	27	9·8	...	48°998	-21°014	-5	...	...	...	43°134	-0°876	0·70	...	...

L measured from 1, 60, 117, 179.
C " " 26, 86, 148, 222.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
	31-90						91-150						151-210							
31	-42'464	+18'513	- 2	...	...	91	-12'501	-43'107	- 5	...	...	151	+16'490	-13'527	- 3	...	...	
...	42'215	-21'246	- 4	...	...	...	12'307	+31'260	- 5	M	...	...	16'996	-15'977	0'70	...	...	
...	41'964	- 0'294	- 2	A	...	...	12'220	-23'163	0'70	...	...	...	17'055	-35'697	- 5	...	...	
...	41'569	+51'910	1'10	43.	30	10'2	...	11'634	-50'888	1'30	44.	42	...	17'335	-33'378	- 4	...	...
*	41'416	-24'451	1'10	44.	39	9'8	...	10'930	+58'136	- 1	...	...	...	17'426	- 9'241	- 2	...	...
...	-41'244	-27'942	- 5	M	...	...	...	-10'507	+57'039	- 5	M	...	...	+17'485	-45'589	- 4	...	...
...	40'620	+31'328	- 5	M	...	...	...	8'890	+16'854	- 5	M	...	S*	18'620	+13'785	1'05	43.	42	9'6
...	39'788	-36'897	- 5	...	...	S*	...	8'885	+14'534	2'00	43.	35	8'6	...	18'975	+ 6'192	- 3	...	...
...	39'412	-36'240	- 5	M	...	...	...	8'262	+35'192	- 3	...	...	...	...	19'188	+36'834	- 3	a	...
...	38'691	- 8'852	- 3	...	...	...	...	8'150	- 4'747	- 3	A	...	...	...	19'514	+58'706	- 2	...	...
41						101						161								
*	-37'589	+16'798	1'20	43.	31	9'6	S*	- 7'295	-41'638	1'65	44.	43	8'8	...	+19'959	+50'992	1'05	...	...
...	37'528	+20'898	- 5	M	...	...	...	7'184	-48'302	- 4	...	...	...	...	20'048	- 4'061	- 3	...	...
...	37'322	-15'559	- 4	M	...	*	...	7'122	-59'097	1'10	45.	37	9'8	...	20'678	+18'418	0'70	...	...
...	36'468	-10'543	- 5	M	...	*	...	6'002	+53'735	1'35	43.	36	9'4	...	21'250	+ 0'809	- 5	m	...	
...	35'840	+25'220	0'70	...	...	+	...	5'159	+43'526	1'00	43.	37	9'8	...	21'592	+45'670	- 5	m	...
...	-35'604	-30'105	- 5	...	...	*	...	- 5'153	+52'058	1'00	43.	38	9'8	...	+22'970	+ 3'819	- 2	a	...
...	35'495	- 3'485	0'90	...	...	...	...	4'689	+19'629	0'90	...	...	...	...	23'144	-26'099	- 2	...	...
...	35'461	- 4'833	- 4	M	...	...	...	2'653	+ 8'957	- 5	M m	...	+	...	24'900	-39'866	- 5	...	...
*	34'736	+42'531	1'20	43.	32	9'6	...	2'340	+37'718	- 3	...	...	...	...	25'034	+ 1'746	- 5	m	...
+	34'417	+29'929	1'20	43.	33	9'6	...	1'951	+40'623	- 3	...	...	...	...	25'919	-43'756	- 4	...	...
51						111						171								
...	-34'289	-59'332	0'65	...	...	...	...	- 1'761	+ 7'686	- 5	M m	...	...	...	+26'930	+40'946	- 5	m	...
...	33'084	-44'320	- 4	...	...	*	...	1'538	-11'931	1'20	44.	44	9'6	...	27'615	+14'129	- 4	m	...
...	32'698	- 7'671	0'70	...	...	...	...	1'320	-51'218	- 2	...	...	...	...	27'824	-20'010	- 4	...	...
...	32'601	- 4'802	0'65	...	...	S*	...	1'038	+56'256	1'60	43.	39	8'9	*	28'028	-56'062	1'05	...	...
...	32'344	- 9'556	- 1	...	...	...	...	0'832	-17'549	0'90	...	...	...	...	28'228	+57'477	- 5	m	...
...	-31'423	-38'475	- 2	...	...	...	...	- 0'801	-23'614	- 5	M	...	...	...	+28'400	- 0'758	- 4	m	...
...	31'391	-50'231	- 5	...	...	...	...	+ 0'192	-26'589	- 5	...	...	...	...	28'598	- 5'588	- 4	...	...
...	31'013	-15'248	- 5	M	0'653	-53'315	- 5	M	...	+	...	29'664	-11'419	1'05	43.	43	9'4
...	30'430	-21'563	0'70	1'644	+22'770	- 5	M m	...	+	...	30'642	-44'857	1'00	44.	48	9'8
...	29'237	-25'901	0'90	...	...	...	...	3'282	-56'468	- 5	M m	...	+	...	30'830	+55'789	- 5	m	...
61						121						181								
S*	-29'234	-26'281	1'60	44.	40	8'6	...	+ 3'943	-53'044	- 5	...	...	...	...	+31'302	-34'537	0'80	...	...
...	29'164	+ 3'422	- 5	M	...	...	...	4'114	-52'311	0'85	...	...	...	...	31'871	-16'259	- 5	...	...
...	29'084	+46'668	- 5	M	...	+	...	4'824	- 0'471	0'95	...	...	...	...	31'883	-40'074	- 5	...	...
*	28'831	-26'753	1'00	44.	41	9'4	...	5'352	+54'982	0'95	...	...	...	...	32'088	-24'612	- 4	m	...
...	27'119	-13'663	- 5	M	...	*	...	5'460	-56'035	1'40	45.	39	9'0	...	32'148	+14'918	0'95	...	...
...	-27'003	+45'902	- 5	M	...	...	...	+ 5'466	-35'289	- 4	...	...	...	...	+32'546	-23'259	- 5	...	...
...	25'825	+55'401	- 3	...	...	...	...	5'490	- 6'813	- 5	M	...	...	...	32'884	+ 1'244	- 5	m	...
...	25'738	+21'205	- 5	M	...	...	...	6'986	-50'090	- 3	...	...	...	...	33'467	- 7'023	- 2	...	...
...	25'738	-37'020	- 5	...	...	...	...	7'816	+11'067	- 5	m	...	...	...	33'501	+ 4'788	- 3	...	...
...	24'876	+28'465	- 5	M	...	*	...	8'076	+57'663	1'30	43.	40	9'2	...	33'710	+11'722	1'00	...	...
71						131						191								
...	-24'597	-36'444	0'80	...	...	...	...	+ 8'086	+ 2'991	- 5	m	...	...	...	+34'034	+31'024	0'95	...	...
...	24'404	-50'145	- 5	...	...	...	...	8'121	+27'030	0'95	...	...	...	...	34'122	+38'985	- 5	m	...
...	23'629	+ 8'242	- 3	*	...	8'453	-24'188	1'70	44.	45	8'2	...	34'313	+12'165	1'00	43.	44	9'8
...	22'325	- 8'343	0'95	...	...	...	...	8'595	-43'696	0'80	...	...	...	...	35'984	-54'863	1'00	...	...
...	21'189	-37'467	- 5	M	...	...	...	8'726	+39'830	- 3	...	...	...	...	35'985	-15'407	- 5	...	...
...	-19'997	+50'415	- 5	M	...	...	...	+ 9'033	-21'883	- 5	...	...	...	...	+36'184	+15'850	- 2	...	...
...	19'164	+50'565	1'00	...	...	...	...	9'569	+47'750	- 2	...	...	n*	36'201	-17'387	1'25	44.	49	9'3
...	19'095	+25'804	0'85	...	...	+	...	9'761	-35'601	- 4	...	...	n	36'214	-17'543	0'75	...	...
...	18'845	+ 9'003	- 1	...	...	...	...	10'085	- 3'973	0'80	...	...	...	...	36'352	- 6'524	- 3	...	...
...	18'671	-36'814	- 2	10'934	+53'197	- 4	a	36'398	+34'463	1'00	43.	45	9'8
81						141						201								
...	-18'585	-47'463	- 1	+11'077	+13'712	- 3	a	...	*	...	+30'410	-56'614	1'20	45.	45	9'4
...	17'414	-49'101	0'95	...	...	...	...	11'505	+36'405	0'75	...	...	...	...	36'423	- 7'848	0'95	...	...
+	17'190	+59'904	1'00	43.	34	9'8	...	12'774	+11'829	- 3	...	...	...	...	37'030	-20'870	0'75	...	...
...	16'577	+ 3'421	0'65	...	...	...	...	13'098	- 4'008	- 5	...	...	...	...	37'033	-36'954	- 5	m	...
...	15'499	+57'177	- 3	13'375	-25'985	- 5	m	...	+	...	37'343	- 0'142	0'95	44.	50	9'8
...	-15'093	+29'623	- 2	+13'687	-35'100	1'00	44.	46	9'8	*	37'424	+43'515	1'10	43.	46	9'6
...	14'864	+13'467	0'80	...	...	S*	...	13'824	14'087	6'80	44.	47	4'2	...	38'011	23'589	- 5	...	...
...	14'181	+58'129	- 5	M	...	...	...	14'925	+18'966	- 5	m	...	...	...	38'089	-51'854	- 2	...	...
...	13'114	+56'806	0'80	...	...	...	...	15'590	-28'307	- 5	m	...	...	...	38'622	-36'039	- 3	...	...
...	12'973	+29'611	- 2	15'901	-16'587	- 5	m	38'700	- 1'700	1'00	44.	51	9'8

107, 108 C.P.D. possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-230						231-249											
211						231											
...	+38'926	-54'360	-5	...	...	...	+50'579	+6'868	0.75	...	...				
...	39'401	-58'898	1.00	45.	47	*	51'213	-16'918	1.40	44.	54						
*	40'333	-21'365	1.00	44.	52	*	51'394	-17'678	1.00	44.	55						
...	41'080	-33'760	-2	...	...	...	51'615	+6'229	-3	e	...						
...	41'207	-42'295	-5	...	...	...	52'285	-16'829	-5	...	...				
...	+42'181	-15'297	0.85	...	...	...	+53'069	+48'833	0.80	...	...				
S*	42'483	+50'151	1.50	43.	47	S*	53'403	-38'471	1.70	44.	56						
...	42'646	+16'037	-5	m	...	...	53'887	-8'745	0.90	...	...				
...	43'046	+36'769	-5	m	...	...	54'137	-40'559	-4	...	...				
...	43'423	-24'540	-4	...	...	...	55'425	+40'836	0.85	...	...				
221						241											
...	+44'368	+32'806	-4	m	...	...	+55'974	+37'989	1.00	43.	48						
...	45'088	-20'759	-5	...	...	...	56'127	-12'528	-4	...	...				
...	45'442	+42'765	0.80	...	...	...	56'279	+0'539	0.70	...	...				
...	46'038	+49'792	-4	m	...	...	56'295	-40'934	0.75	...	...				
...	47'096	+9'209	0.90	...	...	...	56'735	+31'037	-5	m	...						
...	+47'108	+18'834	0.90	...	...	...	+57'521	-41'218	0.85	...	...				
...	47'330	+1'505	-5	m	...	...	57'582	+45'286	-5	e	...						
...	47'400	+49'818	-5	m	...	...	58'138	+0'275	0.80	...	...				
...	47'744	+5'213	-2	a	...	...	59'253	+48'985	1.10	43.	49						
*	49'252	-33'758	1.30	44.	53												

1-30						31-60						61-90					
I	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
*	-57'630	-33'879	1.25	44.	53	31						61					
...	57'544	+6'766	-2	...	...	...	-40'060	+15'522	-3	...	...	...	-20'718	-45'949	-1	...	...
...	56'483	+6'157	-5	E	...	S†	39'869	-29'070	0.85	...	...	...	20'472	-45'429	-4	...	...
...	56'321	+48'781	-1	...	...	...	38'142	-9'722	2.95	44.	59	†	20'426	-49'822	0.90	...	...
*	56'183	-16'985	1.30	44.	54	...	37'941	+2'681	0.90	...	...	...	20'013	+8'138	-5	M	...
...	-55'967	-17'741	1.00	44.	55	...	37'675	+38'795	-3	...	...	...	19'553	+5'538	0.75	...	...
...	53'766	-8'739	0.85	...	...	*	-36'831	-24'145	-5	...	...	...	-17'262	-3'418	-5	...	...
...	53'722	+40'851	-1	...	...	...	36'209	+58'020	1.20	43.	52	...	17'245	-20'000	1.00	44.	62
S*	53'338	-38'470	2.00	44.	56	...	35'457	+20'715	-3	...	...	...	16'663	+1'334	0.90	...	...
...	53'093	+38'033	1.00	43.	48	...	35'345	-11'661	0.95	44.	60	...	16'559	+21'721	-3	...	...
II						*	35'285	+9'737	1.00	43.	53	...	15'603	-59'401	-1	...	...
...	-52'554	-40'540	-5	...	...	41						71					
...	51'710	+45'386	-5	E	...	...	-34'835	-55'037	-3	...	...	...	-15'523	+36'009	0.75	...	...
...	51'653	+0'611	0.80	...	...	...	33'828	+55'485	0.85	...	...	...	15'358	-52'372	-2	...	...
...	51'402	-12'457	-5	...	...	...	32'628	-41'622	0.70	...	...	...	14'900	+35'517	-3	...	...
...	50'381	-40'849	-2	...	...	...	31'874	+47'704	-5	M	...	...	14'603	+18'623	0.90	...	...
...	-50'157	+49'134	1.00	43.	49	...	31'695	+44'744	-4	M	...	...	13'519	+34'793	-3	...	...
...	49'782	+0'399	0.85	...	...	...	-31'051	-39'573	-4	...	...	*	-13'108	-22'382	1.00	44.	63
...	49'142	-41'097	-1	...	...	...	29'910	-5'217	-5	M	...	...	12'707	+57'303	-5	...	...
...	47'609	+13'157	-5	M	...	...	29'067	+28'139	-4	M	...	...	12'569	-41'356	0.80	...	...
...	45'536	-2'392	0.95	...	...	...	29'000	-33'738	-4	...	...	S*	11'682	+50'822	1.20	43.	55
21						...	28'513	-11'480	-2	...	...	...	11'570	+58'031	-5	M	...
...	-45'462	-2'209	0.85	44.	57	51						81					
...	45'073	-26'630	-5	M	...	...	-28'099	+58'775	-5	M	...	...	-11'427	+20'849	0.85	...	...
...	44'394	+53'543	1.00	...	...	*	27'948	+22'239	1.10	43.	54	*	11'211	-4'758	1.00	44.	64
†	44'320	-49'817	-5	M	...	...	27'824	-29'413	-4	...	...	...	11'118	+31'347	-4	...	...
...	43'002	+30'868	-5	M	...	...	27'482	-36'388	-1	...	...	*	10'423	-38'596	1.00	44.	65
...	-41'725	+0'220	0.95	...	...	*	24'870	-37'175	1.70	44.	61	...	10'157	+48'043	-3	...	...
S*	41'452	+5'298	1.20	44.	58	...	-24'296	-10'601	-2	...	...	...	-9'462	-14'451	-2	...	...
*	41'437	+9'074	2.00	43.	50	...	23'622	+58'126	-4	...	...	...	9'065	-30'754	-3	...	...
...	40'892	+13'750	0.70	...	...	...	22'512	-6'918	-1	...	...	...	8'324	-30'190	0.65	...	...
*	40'590	+40'749	1.00	43.	51	...	22'251	+7'479	-4	M	...	S*	8'255	-37'772	1.50	44.	66
						...	21'067	-27'240	-5	...	...	...	7'460	-16'468	-3	...	...

L measured from 1, 65, 135.
MC ,, ,, 33, 103, 168.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
91-130						131-170						171-202							
91	-6.408	-52.486	-5	m	...	131	+18.278	-34.066	1.00	44.	70	9.8	171	+44.371	-9.001	2.55	43.	65	7.6
...	6.038	-59.140	-5	...	...	...	18.318	+56.281	1.00	43.	60	9.8	S*	44.658	-24.958	-4	m	...
...	5.764	-20.334	-2	m	...	...	19.507	-18.393	0.75	...	...	...	...	46.214	+1.577	-4	m	...
...	5.691	+26.857	0.70	19.520	+21.847	-3	b	* 46.680	+35.840	1.30	43	66	9.3
...	4.999	+6.523	-3	m	20.469	-30.435	0.90	S* 47.466	+47.593	1.90	43	68	8.6
...	-4.455	+55.795	1.00	...	...	...	+21.227	-40.315	-3	...	...	...	...	47.654	-18.086	0.75	...	...
...	4.340	-57.095	-4	...	...	S*	21.541	-7.708	1.00	44.	71	9.6	...	47.798	+18.657	-2	a	...
...	3.560	-8.766	-3	m	...	...	22.503	-27.108	-3	...	...	...	...	47.807	+56.505	-5	m	...
*	3.499	+36.591	1.00	23.062	-12.191	0.90	*	48.247	-25.472	1.30	44	75	9.3
...	2.508	+42.751	-5	M m	...	...	23.664	-3.362	-3	...	...	...	...	48.439	+22.782	0.90	...	...
101	-1.953	+16.876	-5	M m	...	141	+23.673	+33.527	-5	m	...	...	181	+48.953	-5.973	-1	...	...
...	-1.356	+43.620	-3	24.349	+19.882	0.90	49.336	-32.450	1.00	44	79	9.8
†	+1.431	-59.684	-1	...	...	*	24.411	+41.123	1.00	43.	61	9.8	...	49.348	+10.610	-3	e	...
...	2.624	-27.892	-2	m	...	...	24.809	+9.187	-5	m	...	...	...	49.441	-32.304	-4	...	...
...	3.428	-25.152	-4	m	...	*	27.317	-49.921	1.00	44.	72	9.8	...	49.537	+5.987	-5	e	...	
...	+3.459	+2.066	-2	+27.648	+42.818	-5	m	†	+50.000	-23.950	0.90	44.	80	9.8
...	3.567	-50.921	-2	S*	28.570	-57.607	1.50	45.	70	9.0	*	50.175	+31.551	1.10	43.	69	9.8
...	3.772	+31.487	-3	...	...	*	28.842	+18.675	1.00	43.	62	9.8	...	50.230	-12.230	-1	...	...
...	3.875	-15.248	-2	m	...	*	29.075	+21.847	1.00	43.	63	9.8	...	50.461	-7.443	-5	e	...	
*	4.906	-32.409	1.40	44.	67	9.0	29.435	-31.465	-5	m	*	50.475	+30.903	1.10	43.	70	9.6
111	+6.088	+29.432	-5	m	...	151	+29.956	-24.543	0.65	191	+52.488	-32.699	1.00	44	81	9.8
*	6.429	+19.334	1.20	43.	57	9.8	...	31.067	+28.012	-2	*	53.218	-30.817	1.10	43.	71	9.8
...	7.010	+42.970	-5	m	31.130	-28.051	0.95	44.	73	9.8	...	53.325	-8.898	0.95	44.	82	9.8
*	7.802	+18.170	1.00	43.	58	9.8	...	33.125	+12.111	-5	m	...	...	54.787	-48.257	-4	...	...
...	9.026	-5.427	0.75	...	...	...	33.206	+49.149	-3	...	...	...	...	55.423	+56.020	-1	...	...
*	+9.776	-0.506	1.20	44.	68	9.3	*	+33.449	-31.052	1.00	44.	74	9.6	...	+56.870	+31.338	0.95
...	10.521	-1.005	-1	...	...	...	36.178	-0.374	-5	m	...	...	...	57.656	-1.285	-5	e	...
...	10.921	+27.310	-3	...	...	...	37.007	+26.364	1.00	43.	64	9.6	...	58.079	+47.263	-3	...	...
...	11.595	-40.868	-3	...	...	...	37.535	-43.297	-1	...	...	...	...	58.349	+9.282	-3	...	...
*	11.612	-18.146	1.00	44.	69	9.8	...	37.740	+33.257	-5	m	...	...	* 58.951	+14.812	1.10	...	...
121	+12.324	+29.209	-3	b	...	161	+37.782	-39.522	1.05	44.	75	9.4	201	+59.382	-54.952	-2	...	...
...	12.397	+41.528	-4	m	...	...	38.253	-53.071	-3	...	...	...	...	59.385	+30.190	0.70	...	...
*	12.592	-32.413	1.00	...	...	...	39.163	+32.605	-2	...	...	...	...	...	...	...	...	...
...	13.800	-47.089	0.90	...	...	...	39.304	-53.282	-1	...	...	...	...	...	...	...	...	...
*	14.363	-56.130	1.20	45.	66	9.8	...	39.320	-43.531	-3	...	...	...	...	...	...	...	...
...	+15.328	-53.395	-4	...	...	...	+39.371	-47.627	1.00	44.	76	9.8	...	...	...	...	...	...
...	16.326	-28.842	-4	...	...	...	39.917	+50.442	-5	m	...	...	...	...	...	...	...	...
S*	16.350	+12.561	2.00	43.	59	8.2	S*	40.962	-33.722	1.45	44.	77	9.2	...	...	...	...	...
...	16.440	+47.239	-4	...	...	...	41.042	+12.572	-4	m	...	...	...	...	...	...	...	...
...	17.221	-49.998	-3	...	...	...	42.387	+54.943	-1	...	...	...	...	...	...	...	...	...

1-10						11-20						21-30							
1	-59.749	-18.266	0.95	...	...	11	-57.568	-42.360	-5	M	...	21	* 54.452	-32.738	1.00	44	81	9.8
...	58.913	-25.623	1.25	44.	78	9.3	...	57.502	-32.425	-1	*	54.333	-8.907	1.00	44	82	9.8
...	58.908	+10.474	0.65	E	...	...	...	57.334	-12.337	1	...	...	...	54.205	-50.047	-1	...	...
...	58.832	+14.039	-5	M	...	...	...	57.241	-7.543	4	E	...	...	53.049	+41.334	-5	M	...
...	58.808	-6.117	0.95	...	...	*	57.198	-24.057	1.10	44.	80	9.8	...	52.499	-5.478	-5	M	...
*	-58.709	+31.428	1.20	43.	69	9.8	...	-56.804	+57.697	-5	M	...	*	-52.011	-31.415	1.05	...	...
...	58.578	+5.847	-3	E	...	...	...	56.715	-37.381	-5	M	...	...	51.974	+47.210	-2	...	...
*	58.388	+30.786	1.10	43.	70	9.6	...	56.445	+35.684	-5	M	...	...	51.505	-12.988	-5	M	...
...	57.979	+58.734	-5	M	...	...	...	55.955	+39.787	-5	M	...	...	51.457	-34.312	-3	M	...
*	57.631	-32.572	1.00	44.	79	9.8	*	55.655	+30.789	1.10	43.	71	9.8	...	51.270	-47.382	1.00

L. measured from 1, 125, 225, 281
 C. " " " 58, 104, 253, 318.

Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
3I	-50°950	-9°066	-3	M	...	9I	-30°476	+10°466	3.70	43. 76	7.0	15I	-13°977	+31°254	0.85	...	...
...	50°323	+1°391	-1	E	...	...	30°359	+7°971	1.20	44. 84	9.6	...	13°081	-24°307	0.80	B	...
†	49°865	+9°419	0.80	...	...	...	30°140	-0°119	-4	M	...	...	12°432	-45°240	0.85	...	...
...	49°776	-40°380	-5	M	...	...	29°685	+11°047	-5	M	...	...	12°262	-42°665	-5	M	...
...	49°473	+30°352	0.95	...	...	...	29°324	+56°150	-1	...	...	...	12°209	+0°283	-4	M	...
*	-49°440	+14°961	1.00	...	...	...	-28°669	-49°541	-4	M	...	...	-11°726	-53°877	0.90	...	...
...	48°872	+4°120	-5	M	...	...	28°431	-7°903	-5	M	...	...	10°835	+32°842	0.65	B	...
...	48°257	-48°276	-4	M	...	...	28°253	+34°146	-5	M	...	...	10°818	-18°730	-5	M	...
...	48°163	+39°124	-1	...	...	...	27°248	+53°106	0.95	...	...	...	10°697	+26°578	-2	M	...
...	47°870	-53°074	-4	M	...	...	27°004	-3°506	-5	M	...	...	10°494	+17°298	0.65	B	...
4I	-47°865	+32°070	0.70	...	...	10I	-26°821	+30°794	-5	M	...	16I	-10°372	+21°103	1.00	43. 81	9.8
...	47°827	+17°963	-5	M	...	...	26°734	+24°835	-2	M	...	...	10°255	-19°568	-5	M	...
...	47°276	-48°780	-5	M	...	*	26°088	+4°435	1.05	44. 85	9.8	...	10°224	-16°060	0.85	...	...
†	46°897	-54°772	1.00	...	...	...	25°931	+28°199	0.70	A	...	†	10°060	+55°395	0.95	...	...
...	46°617	-55°620	-5	...	...	...	25°733	+47°512	-5	M	...	...	9°929	+21°368	-4	M	...
...	-45°470	-55°773	1.00	...	...	...	-25°537	-7°556	-5	M	...	...	-9°606	-17°711	-3	M	...
...	44°636	+28°340	0.90	...	...	...	24°197	+29°431	-2	M	...	...	8°108	+38°854	-2	M	...
...	44°107	-14°011	-5	M	...	...	23°913	-57°593	1.00	...	...	...	7°937	-42°282	-5	M	...
...	43°997	+51°624	-5	M	...	...	23°896	-41°655	-5	M	...	...	7°646	+34°805	-2	M	...
*	43°931	+29°291	1.00	43. 72	9.8	...	23°604	-57°749	-3	...	...	...	7°342	+39°507	-4	M	...
5I	-43°744	-18°776	-5	M	...	11I	-23°489	+15°874	-5	M	...	17I	-7°260	-24°627	-5	M	...
...	43°728	+2°593	-5	M	...	...	23°306	+23°509	-5	M	...	...	6°725	-31°783	0.90	...	...
...	43°292	+2°714	-5	M	...	...	23°228	-56°118	-5	M	...	...	6°417	+57°630	-5	M	...
S*	43°102	+22°116	1.80	43. 73	8.8	...	23°198	+23°415	0.80	...	...	...	6°111	-32°651	-3	M m	...
...	42°569	-35°781	-4	M	...	*	22°944	-4°146	1.30	44. 86	9.2	...	5°719	+7°030	-5	M	...
†	-40°811	-54°938	-1	...	...	...	-22°917	+14°444	-5	M	...	*	-5°646	+59°330	1.25	43. 82	9.8
...	40°803	+56°601	-5	M	...	*	22°455	+4°087	0.95	...	...	*	4°342	+10°011	1.00	...	...
...	39°814	+19°800	-4	M	...	†	22°281	-44°690	1.00	...	...	*	4°207	-4°578	1.20	44. 90	9.2
...	39°644	-14°048	-5	M	...	...	21°993	-29°922	0.80	...	...	...	4°147	-4°216	-5	M m	...
...	39°324	+48°846	-5	M	...	...	21°912	+6°083	-5	M	...	*	4°048	-47°248	1.10	44. 91	9.6
6I	-38°467	-17°951	-3	M	...	12I	-21°552	+20°813	1.20	43. 77	9.3	18I	-4°033	-0°736	0.90	M	...
...	38°023	-16°668	-2	D	...	...	21°041	-5°926	0.85	C	...	...	3°828	-26°437	-5	M m	...
...	37°707	+10°603	-2	M	...	*	20°825	-7°447	1.05	44. 87	9.8	...	3°329	+49°120	-5	M m	...
...	37°387	+2°261	-3	M	...	...	20°626	-46°400	0.65	...	...	...	3°324	+12°341	0.75	B m	...
...	37°146	+46°443	-5	M	...	...	19°265	+17°920	-5	M	...	...	3°016	+17°938	-5	M m	...
...	-36°748	-15°916	-4	M	...	...	-19°261	-18°395	0.80	...	...	...	-2°156	-50°779	-2	M m	...
...	36°570	+49°409	-5	M	...	...	19°164	+49°175	-2	M	...	...	1°714	+26°304	-5	M m	...
*	36°112	-35°235	1.00	...	...	...	19°070	-0°423	0.75	D	...	...	1°708	-21°610	1.10	44. 92	9.4
...	36°092	+38°621	-4	M	...	...	18°961	+34°611	-3	M	...	*	1°527	+51°203	2.90	43. 83	8.0
...	35°958	+40°806	0.85	...	...	...	18°667	-41°144	-5	M	...	...	0°755	-39°027	0.70	m	...
7I	-35°805	-36°558	0.65	...	...	13I	-18°037	-0°935	-4	M	...	19I	-0°502	-21°099	0.90	m	...
...	35°467	-5°837	-3	M	...	...	17°710	+17°281	-3	M	...	...	0°343	-20°914	0.90	...	...
...	35°199	-25°972	-5	M	...	...	17°202	-51°077	1.00	...	...	...	-0°311	-8°247	-3	M m	...
...	34°802	-51°655	1.00	...	...	S*	17°003	+14°062	2.00	43. 79	8.8	...	+0°378	+42°887	-5	M m	...
...	34°391	+52°976	-4	M	...	...	16°751	-2°214	-3	M	...	...	0°453	-8°284	0.85	A	...
...	-33°960	-23°464	-4	M	...	...	-16°664	+42°704	0.80	...	...	...	+0°742	+5°598	-5	M m	...
...	33°464	+3°256	-5	M	...	*	16°642	-29°823	1.15	44. 88	9.4	...	0°879	-19°337	0.70	M b	...
...	33°116	+54°682	-5	M	...	...	16°623	-9°498	0.80	...	...	...	0°944	+23°160	-5	M m	...
...	32°774	+26°764	0.75	B	...	...	15°968	+33°539	0.70	B	...	...	0°976	+24°541	-5	M m	...
...	32°723	-50°243	-5	M	...	...	15°828	+34°572	-4	M	...	...	0°976	-22°428	-4	M m	...
8I	-32°602	+51°848	-5	M	...	14I	-15°650	+22°805	-4	M	...	20I	+1°310	-11°465	-5	M m	...
...	32°232	-2°102	-2	M	...	...	15°600	+22°164	-5	M	...	...	1°471	+28°340	-1	M m	...
...	31°709	-30°345	-5	M	...	...	15°468	-3°755	0.75	D	...	*	1°652	+28°371	1.00	...	...
...	31°556	-22°282	-4	M	...	...	15°235	+17°070	-5	M	...	...	1°793	+21°656	-4	M m	...
...	31°400	-22°016	-3	M	...	*	15°073	+18°294	1.25	43. 80	8.9	...	2°179	-31°874	0.90	...	...
*	-31°068	+24°051	1.20	43. 75	9.8	†	-14°969	+8°490	0.75	...	...	S*	+2°432	+46°704	4.80	43. 85	5.7
...	31°063	+52°941	-5	M	...	...	14°513	-1°545	0.70	D	...	...	2°799	-42°416	-5	M m	...
S*	31°003	-9°350	2.00	44. 83	8.6	...	14°374	-34°820	-5	M	...	...	3°255	-39°874	-5	M m	...
...	30°820	+24°200	0.80	A	...	S*	14°265	-40°274	2.00	44. 89	8.6	...	3°885	-31°717	-3	M m	...
...	30°501	-3°398	-5	M	...	...	14°007	+2°331	-5	M	...	...	3°980	+53°983	0.65	...	...

Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.							
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.						
211-270						271-330						331-366											
211	...	+ 4.326	-44.126	- 4	M m	...	...	+ 26.475	- 5.185	- 4	o	...	331	...	+ 47.919	- 59.183	1.05	43.	93	10.2		
...	...	4.328	-57.311	- 1	M m	...	...	26.793	-13.207	- 4	m	...	...	...	47.922	+ 0.034	- 4	m	...	...	
*	...	4.331	-42.313	1.15	44.	93	9.6	...	27.151	-14.408	- 5	m	...	...	48.315	-31.029	0.80	...	...	...
...	...	5.448	+41.517	0.90	...	...	...	...	27.225	- 2.631	- 3	m	...	*	...	48.368	+ 8.666	1.10	43.	94	10.2	
S*	...	5.508	- 6.559	1.65	44.	94	8.9	...	28.120	+ 6.289	1.50	44.	97	9.4	...	48.616	+ 4.453	- 5	e	...	...
...	...	+ 6.597	+ 3.466	0.70	b	...	...	...	+ 28.435	+ 24.192	0.70	...	...	...	49.037	- 4.608	- 3	e	...	...	...
...	...	7.287	-11.779	- 2	m	...	...	...	29.125	-44.911	0.65	m	...	...	49.420	-23.445	0.90	...	...	...	...
...	...	7.593	+11.765	- 5	m	...	...	...	29.441	-10.902	- 5	m	...	...	49.920	-24.533	- 5	e	...	...	...
...	...	7.762	-56.825	- 1	...	...	...	...	29.443	+ 20.885	0.90	...	...	...	49.947	+ 55.751	- 4	...	...	...	...
...	...	8.649	-53.128	- 2	...	...	...	...	29.722	-11.084	- 4	m	...	...	50.147	-27.368	- 4	e	...	...	...
221	S*	+ 8.856	+18.654	2.90	43.	86	7.8	...	+ 30.125	-49.243	- 5	m	...	...	+ 50.305	+13.073	- 2	e	...	...	...
...	*	9.389	+54.458	1.70	43.	87	8.9	...	30.935	- 9.990	- 5	m	...	...	50.359	+ 4.730	- 1	...	...	...	...
...	*	9.492	-39.948	1.00	...	...	...	...	31.317	- 5.913	1.05	44.	98	10.2	...	51.136	+ 4.901	0.80	...	...	...
...	...	9.614	-36.265	- 5	m	...	...	...	31.336	-41.050	- 2	m	...	...	...	51.491	-15.829	- 1	...	...	...
...	...	10.371	-40.528	- 5	m	...	...	...	31.703	- 2.612	0.80	...	...	...	51.623	+ 45.555	- 4	e	...	...	...
...	...	+ 10.647	- 8.803	- 5	m	...	...	...	+ 31.801	+15.881	- 5	m	...	...	...	+ 52.367	+15.627	0.70	...	...	...
...	...	11.592	-41.245	- 2	...	...	...	...	32.269	+26.667	0.95	...	...	...	*	52.803	+29.733	1.20	43.	96	10.2	
...	...	11.615	-27.987	- 4	m	...	...	...	32.487	-12.333	0.70	...	...	...	†	52.885	+49.981	- 5	e	...	...
...	...	11.953	+34.248	0.90	...	...	...	...	32.833	-26.227	0.90	...	...	...	...	53.602	-22.426	- 5	e	...	...
...	...	12.045	-35.069	0.80	...	...	...	...	32.969	+22.084	- 2	...	...	...	...	54.392	+ 2.041	0.85	...	...	...
231	...	+ 12.150	-38.635	- 2	...	...	...	...	+ 35.857	+47.290	- 5	m	...	351	*	+ 54.523	-19.264	1.00	...	...	...
...	...	12.251	+37.475	- 3	m	...	...	...	35.942	+ 5.287	- 5	m	...	...	†	54.842	+20.780	0.95	...	...	...
...	*	12.745	-23.397	0.90	...	...	...	...	36.055	+47.018	- 1	...	...	...	...	55.317	+12.651	- 5	m	...	...
...	...	13.166	-26.037	- 5	m	...	...	...	36.981	+ 9.804	0.90	...	...	...	S*	55.852	-32.517	1.70	44.	100	8.7	
...	...	13.446	+ 7.967	- 5	m	...	...	...	37.225	-34.720	- 5	m	...	...	...	...	56.137	-23.670	- 5	e	...	...
...	...	+ 14.182	- 3.495	- 5	m	...	...	...	+ 37.337	+47.456	- 3	...	...	...	...	...	+ 56.741	-15.275	0.80	...	...	...
...	...	14.322	+ 4.194	- 1	m	37.439	-19.302	2.00	44.	99	8.4	57.072	+31.441	- 5	e
...	S†	14.815	-39.010	2.00	44.	95	8.2	...	37.757	-35.642	- 5	m	57.316	-52.761	- 5
...	...	15.281	-50.931	0.95	37.818	-30.098	0.75	57.519	-22.857	0.90
...	...	16.148	+12.540	0.85	37.900	- 1.105	- 5	m	57.521	-22.815	- 2	m
241	*	+ 16.177	+ 8.990	1.00	43.	89	9.8	...	+ 38.711	-59.192	- 4	m	...	361	...	+ 57.895	+35.435	- 5	m	...	...	...
...	...	16.209	-44.952	- 5	m	...	...	...	38.804	+ 7.561	0.95	...	...	...	S*	58.081	+ 3.117	3.90	44.	101	6.8	
...	...	16.498	-34.617	- 2	m	...	...	...	39.224	-45.373	0.95	...	...	...	...	...	58.459	-30.418	- 5	e	...	...
...	...	16.784	-20.279	0.75	39.269	+29.889	- 5	m	58.668	-23.382	- 5	e
...	...	16.797	-54.746	- 3	39.348	+41.227	- 3	59.180	+33.658	- 5	e
...	*	+ 17.034	-35.776	1.25	44.	96	9.2	...	+ 39.520	+18.962	1.00	43.	91	10.2	+ 59.362	-21.420	- 3	e
...	*	17.171	+36.335	1.00	...	...	...	...	39.911	+35.639	- 3	m	...	...	...	...	...	...	...	...	...	...
...	...	17.873	+31.766	- 2	...	...	...	...	39.952	-43.869	- 4	...	...	...	...	...	...	...	...	...	...	...
...	...	18.489	+38.086	- 5	m	...	...	...	40.134	-27.852	- 4	m	...	...	...	...	...	...	...	...	...	...
...	...	18.499	+26.942	- 5	m	...	...	...	40.165	-20.515	0.65	...	...	...	...	...	...	...	...	...	...	...
251	...	+ 18.746	-27.465	- 4	m	...	...	...	+ 41.059	-25.989	- 4	m	...	...	...	...	...	...	...	...	...	...
...	...	19.300	-22.171	0.90	...	...	...	...	41.641	+14.809	0.90	...	...	...	...	...	...	...	...	...	...	...
...	...	20.482	+51.694	0.70	...	...	...	...	* 41.682	- 3.990	1.00	...	...	...	...	...	...	...	...	...	...	...
...	...	20.656	+29.712	- 5	m	...	...	...	41.791	+21.951	- 3	m	...	...	...	...	...	...	...	...	...	...
...	†	20.750	-54.699	1.00	...	...	...	...	43.591	+40.523	- 2	...	...	...	...	...	...	...	...	...	...	...
...	...	+ 21.169	+ 1.447	- 4	m	...	...	...	+ 43.673	+34.909	- 4	m	...	...	...	...	...	...	...	...	...	...
...	...	21.281	-11.389	0.70	b	...	...	...	43.851	-32.978	- 4	m	...	...	...	...	...	...	...	...	...	...
...	...	22.006	-32.970	- 3	...	...	...	...	44.945	+50.220	- 5	m	...	...	...	...	...	...	...	...	...	...
...	...	22.423	- 2.476	0.90	...	...	...	...	45.047	-27.812	- 4	m	...	...	...	...	...	...	...	...	...	...
...	...	23.472	-53.212	- 5	m	...	...	...	45.402	+27.575	- 3	m	...	...	...	...	...	...	...	...	...	...
261	...	+ 23.802	-44.790	- 4	m	...	...	...	+ 46.263	+28.341	- 5	m	...	321	...	+ 46.263	+28.341	- 5	m	...	...	...
...	...	24.025	-15.460	- 3	m	...	...	...	46.523	+39.704	- 3	m	...	...	...	...	...	...	...	...	...	...
...	...	24.347	-55.073	- 3	...	...	...	...	46.744	+26.017	- 3	m	...	...	...	...	...	...	...	...	...	...
...	...	24.443	+19.311	- 4	m	...	...	...	46.820	+30.921	- 4	m	...	...	...	...	...	...	...	...	...	...
...	*	24.608	-55.320	1.00	...	...	...	...	46.854	-29.205	- 4	m	...	...	...	...	...	...	...	...	...	...
...	...	+ 25.351	- 0.301	- 4	m	...	...	...	† 46.948	- 9.775	- 3	...	...	...	...	...	...	...	...	...	...	...
...	...	25.380	-40.499	- 4	m	...	...	...	47.171	+13.771	- 2	m	...	...	...	...	...	...	...	...	...	...
...	...	25.457	-53.451	- 3	...	...	...	...	47.298	+56.626	- 5	m	...	...	...	...	...	...	...	...	...	...
...	...	25.482	-21.594	0.70	...	...	...	...	S* 47.715	+53.257	3.80	43.	92	6.8	...	...	...	...	...	...	...
...	...	25.675	+17.465	1.00	...	...	...	...	47.884	- 6.501	0.70	...	...	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam. o.65.	C.P.D.		Notes.	Co-ordinates.		Diam. o.65.	C.P.D.		Notes.	Co-ordinates.		Diam. o.65.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-60																		
I	-59.448	+ 4.300	5	E	...	61	-38.414	+ 5.364	5	M	...	121	-19.470	+ 1.019	1	D	...	
...	58.758	- 4.760	5	E	...	...	38.121	+ 30.213	5	M	...	...	19.219	- 22.275	5	M	...
...	58.677	- 31.186	2	...	...	...	37.532	+ 37.832	4	M	...	...	19.075	- 7.763	5	M	...
...	58.024	+ 12.955	3	E	...	...	37.344	+ 44.234	1	...	...	...	19.017	- 57.414	5	M	...
...	57.805	- 23.575	1.00	...	...	*	37.277	- 21.887	1.30	44. 104	9.5	*	18.659	- 27.312	2.00	44. 108	8.3
...	-57.725	+ 4.616	3	...	...	...	-37.119	+ 7.623	5	M	...	†	-17.211	+ 19.957	0.95	...	...
...	57.257	- 24.651	5	E	...	...	37.044	+ 19.633	0.70	...	...	+	16.957	+ 22.605	4	M	...
...	56.957	- 27.479	5	E	...	...	36.600	- 20.609	0.70	...	...	...	16.906	- 20.493	5	M	...
...	56.942	+ 4.802	0.80	...	...	...	36.426	+ 44.613	0.90	...	...	*	16.773	+ 16.364	1.00	43. 102	10.0
†	56.578	+ 49.970	5	E	...	...	36.327	- 26.300	3	M	...	...	16.619	- 40.941	2	D	...
II																		
...	-56.049	+ 15.571	4	...	...	71	-36.278	- 10.979	2	A	...	131	16.516	+ 38.896	1.90	43. 103	8.4
*	56.029	+ 29.673	1.15	43. 96	10.2	...	35.707	+ 25.659	3	M	...	*	16.396	+ 59.572	1.05	...	...
...	55.851	- 15.901	3	...	...	*	34.931	+ 19.376	1.00	...	...	*	16.295	- 18.785	2.00	44. 109	9.0
...	54.907	- 45.593	5	E	...	†	34.848	- 54.884	1.80	45. 92	9.0	*	15.348	+ 54.602	1.00	...	...
...	53.733	+ 20.788	1.00	...	...	†	34.790	- 8.304	1.30	44. 105	9.2	...	14.921	+ 59.624	1	...	...
...	-53.643	- 22.427	5	E	...	...	-34.530	- 31.709	5	M	...	*	-14.897	+ 2.470	1.15	44. 110	9.8
...	53.613	+ 2.048	0.90	...	...	...	34.411	+ 44.067	3	M	...	...	14.876	- 29.046	3	M	...
*	52.833	- 19.238	1.00	...	...	...	33.460	- 0.195	5	M	...	...	14.865	- 47.463	4	M	...
...	51.839	+ 31.502	5	E	...	*	33.266	- 18.869	1.50	44. 106	8.8	...	14.061	- 25.911	0.90	...	...
S*	51.087	- 32.457	1.60	44. 100	8.7	...	32.970	+ 49.562	5	M	...	...	13.947	+ 46.645	5	M	...
21																		
...	-51.083	- 23.592	5	E	...	81	-32.551	+ 29.575	3	M	...	141	-13.629	+ 17.808	2	...	...
...	50.725	- 15.187	0.80	...	...	...	32.250	+ 32.819	4	M	...	...	13.528	+ 42.498	5	M	...
S*	49.926	+ 3.238	4.40	44. 101	6.8	...	32.055	- 15.490	4	M	...	...	13.277	- 21.548	3	M	...
...	49.761	+ 33.792	5	E	...	...	31.668	- 22.621	0.70	...	...	*	13.212	- 25.603	1.00	...	...
†	49.735	- 22.737	1.00	...	...	...	30.739	- 14.244	4	M	...	...	12.947	- 17.018	5	M	...
...	-49.019	- 52.636	5	...	...	...	-30.547	- 48.070	5	M	...	...	-12.083	- 19.149	5	M	...
...	48.570	- 23.235	5	E	...	S*	30.057	- 15.308	3.80	44. 107	6.8	*	11.997	- 2.044	0.95	...	...
...	48.543	- 30.282	5	E	...	S*	29.920	+ 48.669	3.00	43. 100	7.6	...	11.872	- 30.395	2	...	...
...	48.141	- 3.002	5	M	...	...	29.548	- 10.436	3	M	...	S*	10.582	+ 18.523	1.80	43. 104	8.8
...	47.928	- 21.252	3	E	...	*	29.218	+ 34.189	1.00	...	...	...	10.566	+ 6.366	0.65	...	...
31																		
...	-47.491	+ 25.743	5	M	...	91	-29.105	- 14.559	5	M	...	151	-10.331	- 13.158	1.00	...	...
...	47.455	- 19.274	0.75	...	...	...	28.365	+ 2.743	5	M	...	...	9.994	+ 3.077	5	M	...
*	46.978	+ 20.192	1.70	43. 98	8.8	†	28.162	+ 0.006	3	M	...	...	9.887	- 9.561	2	M	...
...	46.884	- 29.722	1	...	...	...	28.161	- 3.223	3	M	...	*	9.586	- 12.934	0.95	...	...
...	45.197	- 11.131	0.90	...	...	...	27.885	+ 15.312	0.70	...	...	*	9.345	+ 24.272	1.20	43. 105	9.6
...	-45.195	- 11.337	5	M	...	...	-27.770	- 27.746	0.80	...	...	†	- 9.335	- 24.866	0.75	...	...
†	44.748	+ 2.782	5	M	...	...	27.446	+ 44.826	3	...	...	...	9.166	+ 15.606	5	M	...
...	44.397	- 27.759	5	M	...	...	27.216	+ 39.528	3	...	...	*	9.121	+ 30.437	1.20	43. 106	9.6
...	44.360	- 30.035	0.85	A	...	...	27.049	+ 19.879	5	M	...	...	8.859	+ 5.394	0.70	...	...
...	44.223	+ 50.564	5	...	...	...	26.663	- 13.843	2	A	...	...	8.671	- 38.826	3	M	...
41																		
...	-44.067	+ 36.479	3	...	...	101	-26.328	+ 25.437	5	M	...	161	- 8.568	+ 8.435	5	M	...
...	43.733	+ 38.130	5	M	...	...	26.154	+ 2.439	2	...	...	...	7.073	+ 4.504	4	M	...
...	43.579	- 3.488	4	M	...	...	26.067	- 54.569	5	...	...	...	7.017	- 7.649	5	M	...
...	43.270	- 41.732	5	M	...	...	25.757	- 3.973	0.80	...	...	...	6.705	- 18.294	3	M	...
...	43.207	+ 39.674	5	M	...	...	25.381	+ 27.563	5	M	...	*	6.621	- 38.589	1.00	...	...
...	-43.026	+ 56.128	5	M	...	...	-25.299	- 59.623	2	...	...	...	- 6.166	+ 43.317	5	M	...
S*	42.819	- 41.289	1.60	44. 102	8.9	...	25.068	+ 12.766	2	M	...	...	5.219	+ 42.315	5	M m	...
...	42.671	- 31.176	5	M	...	*	24.868	+ 40.406	1.90	43. 101	8.6	†	4.706	+ 5.017	2	...	...
*	42.009	+ 4.511	1.10	44. 103	10.2	...	24.447	- 46.167	5	M	...	*	4.606	- 57.379	1.10	...	...
...	4.942	+ 9.441	5	M	...	...	24.324	+ 6.168	3	M	...	...	4.385	+ 29.338	5	M m	...
51																		
...	-41.610	- 36.702	1.00	...	...	111	-24.272	- 29.036	3	M	...	171	- 4.197	- 47.465	5	M m	...
...	41.345	+ 19.899	0.70	...	...	...	23.525	- 5.107	5	M	...	*	3.634	- 58.429	1.20	45. 95	10.2
...	40.819	+ 27.057	3	M	...	...	21.998	+ 36.065	0.90	...	...	...	3.399	- 37.375	5	M m	...
*	40.591	+ 44.605	1.00	...	...	...	21.974	- 58.412	1	...	...	...	3.102	- 47.266	5	M m	...
†	40.500	+ 39.980	4	M	...	...	21.883	- 7.701	5	M	...	...	2.640	- 3.871	0.70	A m	...
...	-40.495	+ 59.502	5	M	...	*	-21.818	+ 9.809	0.95	...	...	...	- 2.293	- 32.149	5	M m	...
...	40.260	- 26.428	4	M	...	...	21.783	+ 39.060	5	M	...	...	2.163	- 1.197	5	M m	...
...	39.970	+ 16.816	0.85	...	...	...	21.208	+ 17.213	5	M	...	*	1.809	+ 49.569	1.15	43. 107	10.2
...	39.555	+ 44.676	5	M	...	...	20.513	- 15.422	5	M	...	...	1.139	- 35.272	4	M m	...
...	38.744	+ 31.047	4	M	...	†	19.811	- 8.973	0.80	...	...	*	0.880	+ 8.131	1.00	44. 111	10.2

L measured from 1, 89, 187, 284.
C ,, ,, 38, 138, 247, 332.

Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.		Notes.	Co-ordinates.		Diam. ...	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
	361-370						371-375										
361	+52·723	+27·024	- 4	°	e	...	371	+56·396	+11·785	0·80	°	...	...	...	...	...	...
...	52·888	+40·665	- 4	e	...	...	...	56·665	+ 9·188	- 3	e	...	...	...	...	...	...
...	53·301	-22·009	- 4	e	...	...	S*	56·951	-23·589	1·40	44. 123	9·4	...	...	...	...	...
*	53·337	-40·629	1·20	...	...	...	...	58·589	-37·167	- 5	m	...	...	...	...	...	...
...	54·258	-49·647	- 4	e	...	...	...	59·241	-46·863	- 5	...	...	...	...	...	...	...
...	+54·281	-49·449	- 3	e	...	...	...	...	...	...	...	...	...	...	...	...	...
...	54·330	+ 1·991	0·75	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	54·549	+ 8·845	- 5	e	...	...	...	...	...	...	...	...	...	...	...	...	...
...	55·679	-21·973	- 5	e	...	...	...	...	...	...	...	...	...	...	...	...	...
S*	55·836	-45·286	1·60	44. 122	8·9	...	...	...	...	...	...	...	...	...	...	...	...

1-40					41-80					81-120									
I	-59·538	+18·439	0·90	°	...	...	41	-44·100	+ 8·460	2·40	43. 118	8·2	81	-28·562	- 6·380	- 5	°	M	...
...	59·416	-42·535	- 3	...	...	...	...	44·089	-23·405	- 5	M	...	...	28·367	+24·208	- 5	M	...	
*	59·173	-11·067	1·00	...	...	...	...	43·879	+52·550	- 4	...	...	...	28·309	-47·276	- 1	...	...
...	59·017	+ 2·558	- 3	E	...	...	...	43·767	-36·815	0·90	...	...	...	28·144	+ 6·634	- 3	M	...	
...	58·938	-15·722	- 5	M	...	...	...	42·585	-13·795	- 5	M	...	...	26·929	-43·753	0·70	...	...
*	-58·392	+31·570	1·25	43. 115	10·2	...	...	-42·408	+22·777	- 4	M	...	...	S*	-26·699	+25·482	1·10	43. 119	9·5
...	58·230	+45·995	- 1	...	...	...	...	42·064	-24·450	0·90	...	...	...	*	26·230	-36·475	1·00	...	...
...	58·171	+ 1·168	- 5	E	...	...	...	42·036	- 2·802	- 3	B	...	...	...	25·850	-48·705	- 5	M	...
...	57·643	- 4·146	- 2	E	...	...	...	41·954	+35·164	- 3	M	...	...	...	25·721	+20·627	- 5	M	...
...	57·208	-14·243	- 5	E	...	...	...	41·822	-35·086	0·70	...	...	...	...	25·555	+ 2·393	- 2	B	...
II	-57·014	+ 3·854	1·00	...	...	...	51	-41·804	+17·497	- 5	M	...	91	-25·108	-19·896	- 3	...	...
...	56·277	+40·633	- 5	E	...	...	...	41·341	- 7·092	1·00	...	...	...	*	24·956	-47·464	1·25	44. 128	10·2
...	56·240	+ 5·474	- 3	M	...	...	...	41·115	-56·827	1·20	45. 108	10·2	...	...	24·854	-16·805	- 3	M	...
...	56·023	+26·960	- 5	E	...	...	...	40·368	+52·093	- 4	...	...	...	*	24·667	-36·577	1·30	44. 129	9·4
*	55·994	+23·452	1·05	43. 116	10·2	...	...	39·303	-42·814	0·85	...	...	...	...	23·564	+49·385	1·00	...	...
...	-55·899	- 6·919	- 5	E	...	...	...	-39·206	-21·509	0·70	...	...	...	...	-23·095	-42·777	- 3	M	...
...	55·141	-32·373	- 2	...	...	...	...	39·157	-32·069	- 4	M	...	...	S*	22·987	-38·382	2·65	44. 130	7·8
...	54·447	-34·367	1·00	...	...	...	...	38·745	-56·981	1·05	...	...	...	...	22·368	+25·291	- 2	B	...
...	53·966	-22·028	- 4	E	...	...	...	38·424	+23·532	0·90	...	...	...	...	22·340	+47·509	- 5	M	...
...	53·657	+ 2·004	- 3	...	...	...	...	38·225	+52·952	- 3	...	...	...	...	22·301	- 6·402	- 2	B	...
21	-53·629	+ 8·864	- 5	E	...	...	61	-37·750	+ 5·284	- 2	A	...	101	-22·285	-19·159	0·80	...	...
*	53·359	-40·645	1·25	...	...	...	...	37·422	-14·726	0·95	...	...	...	...	22·150	+20·324	- 5	M	...
...	52·148	-49·614	- 4	E	...	...	...	37·136	+53·754	- 5	M	...	...	...	22·044	+40·184	- 5	M	...
...	52·147	-49·427	- 3	E	...	...	...	36·533	-48·852	0·85	...	...	...	...	22·043	+37·238	- 5	M	...
...	51·889	+11·849	0·85	...	...	...	...	36·199	+52·654	- 5	M	...	...	...	21·684	-10·508	0·90	...	...
...	-51·589	-21·914	- 5	E	...	...	...	-35·928	-53·730	- 5	M	...	...	...	-21·650	-11·361	- 3	M	...
...	51·548	+ 9·262	- 4	E	...	...	...	35·635	- 5·011	1·05	44. 125	10·2	...	...	21·570	-37·320	- 5	M	...
S*	50·713	-45·216	1·65	44. 122	8·9	...	...	34·338	-36·758	- 4	M	...	...	...	20·795	+ 4·087	0·95	...	...
S*	50·258	-23·490	1·50	44. 123	9·4	...	...	34·083	-16·580	- 5	M	...	...	...	20·281	+ 6·108	1·10	44. 131	9·5
*	48·405	+30·944	1·25	43. 117	10·2	...	...	33·557	+ 5·176	1·20	44. 126	10·2	...	...	20·266	- 3·527	- 5	M	...
31	-47·391	+45·858	- 5	M	...	...	71	-33·163	+52·756	- 4	M	...	111	-20·231	-39·523	- 5	M	...	
...	47·270	-46·669	- 3	...	...	...	...	32·990	-56·464	- 5	M	...	...	...	20·201	+28·357	- 3	...	...
...	46·967	+55·828	1·00	...	...	...	...	32·202	-38·068	- 5	M	...	...	...	20·065	+17·647	- 5	M	...
...	45·683	-33·485	- 5	M	...	...	...	31·337	-30·615	- 4	M	...	...	...	19·981	+14·281	- 5	M	...
*	45·554	-46·513	1·10	...	...	...	...	30·962	+29·951	- 4	M	...	...	...	19·958	+28·111	- 4	M	...
...	-45·299	-11·946	- 5	M	...	...	...	-30·814	+22·076	0·80	...	...	...	...	-19·819	- 2·811	- 5	M	...
*	45·271	- 7·018	1·00	...	...	...	...	30·721	+27·698	- 5	M	...	...	...	19·691	-33·801	- 2	...	...
†	45·238	+ 6·916	1·00	44. 124	9·8	...	...	29·854	+29·344	0·90	...	...	...	*	18·328	-47·409	1·15	44. 132	10·2
...	44·871	+15·921	0·90	...	...	...	...	28·905	+11·166	- 4	M	...	...	...	17·952	-20·199	0·75	A	...
...	44·341	- 6·142	- 3	D	...	...	...	28·776	-19·048	1·00	44. 127	10·2	...	...	16·936	-44·142	- 3	M	...

L measured from 1, 78, 173, 268.
 C " " " 39, 124, 217, 308.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
121-180						181-240						241-300							
121	-16.348	+18.108	-2	° B	...	181	+3.636	+56.795	-5	° M	...	241	+21.803	+36.684	0.95	°	...		
...	16.297	+8.554	-5	M	...	...	4.356	-14.406	-5	M m	...	...	* 23.491	+48.791	1.40	43. 130	9.5	
...	15.821	+59.882	-5	...	...	...	4.744	+20.456	0.80	...	...	...	* 23.881	+51.762	1.15	43. 131	10.2	
...	14.945	+35.377	-5	M	...	...	5.414	-48.046	-5	M m	...	...	...	24.021	+24.846	-2	m	...
...	14.851	-11.975	-5	M	...	...	5.704	+46.477	-5	m	...	...	...	24.205	-12.039	-5	m	...
...	-14.349	+19.557	-4	M	...	...	+5.711	+7.683	-4	M m	...	...	...	+26.091	+3.015	-5	m	...
...	13.949	-50.508	-5	M	...	...	5.737	+16.008	-2	m	...	...	...	26.534	+28.600	-3	m	...
...	13.807	+45.892	-5	M	...	...	6.514	+45.391	-3	...	...	...	...	26.803	+6.771	-2	m	...
...	13.736	+18.995	0.90	...	...	...	6.574	-21.802	-1	...	...	...	...	26.940	+19.036	-5	m	...
...	13.481	-16.646	-5	M	...	...	* 6.639	+53.276	1.05	43. 124	10.2	...	...	27.070	-17.172	-5	m	...
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
...	-13.450	-0.897	-3	M	...	...	+7.111	+13.731	-3	m	...	...	...	+27.228	+44.301	-5	m	...
...	13.403	+20.520	-2	B	...	...	7.313	-28.038	-5	m	...	...	...	27.349	-43.805	-5	m	...
...	* 12.515	+25.650	1.00	...	...	...	7.454	-5.847	-5	m	...	...	...	27.650	+31.170	-4	m	...
...	12.081	-52.411	-5	M	...	...	7.628	-54.376	-5	m	...	...	...	* 27.982	+31.153	1.00	...	...
...	12.015	+15.460	0.85	...	...	...	7.706	+2.009	-5	m	...	...	...	28.048	+35.992	-5	m	...
...	-11.856	+0.483	0.75	a	...	...	+7.895	+43.298	-5	m	...	...	...	+28.066	-30.080	-5	m	...
...	11.841	-38.349	-2	B	...	...	8.794	+14.838	-5	m	...	...	...	* 28.104	+46.494	1.10	...	...
...	10.907	-57.239	0.65	...	...	...	* 10.306	-0.793	1.80	44. 136	8.9	...	...	28.264	-11.877	0.80	...	...
...	10.848	+52.616	-5	M	...	...	10.654	+32.460	0.90	...	...	...	...	28.596	-54.951	-4	...	...
...	10.830	-4.978	-2	M	...	...	* 11.072	+35.900	2.00	43. 125	8.6	...	...	28.613	+55.374	-5	m	...
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
...	-10.602	-57.635	-3	...	...	...	+11.514	+36.390	0.85	...	...	...	...	+28.768	-20.624	-5	m	...
...	10.567	+48.420	-4	M	...	...	12.052	+24.235	-3	m	...	...	...	28.927	-51.976	-4	m	...
...	+ 10.367	+42.230	1.20	43. 121	9.8	S *	12.148	+13.481	1.20	43. 126	9.4	...	...	28.943	-20.431	0.70	a	...
...	+ 10.216	+30.964	-2	M	...	...	12.237	+46.821	-5	m	...	...	...	29.293	+51.935	-5	m	...
...	+ 10.174	-46.778	2.00	44. 133	8.4	...	12.745	-30.790	-3	m	...	...	...	29.520	+14.930	0.90	...	...
...	-9.895	-38.209	-4	M	...	...	+12.840	+16.897	-2	m	...	...	...	+29.543	-3.459	-3	m	...
...	9.805	+51.430	-4	M	...	...	* 13.209	+34.923	1.00	43. 127	10.2	S *	...	29.554	-54.753	1.45	45. 124	9.4
...	* 9.668	-42.124	1.50	44. 134	9.2	...	13.303	+29.664	-2	m	...	...	...	29.965	-36.070	-3	m	...
...	9.662	-57.270	-5	M	...	...	13.361	+37.946	-5	m	...	...	...	30.391	+10.988	0.85	...	...
...	9.447	+41.147	-3	M	...	...	13.392	-2.248	0.70	a	...	...	...	30.463	+5.554	-5	m	...
151	...	...	...	...	...	211	...	...	...	...	...	271	...	...	...	...	...
...	-9.415	-27.237	0.65	A	...	...	+13.523	-1.742	-3	d	...	...	...	+30.616	+27.299	-3	m	...
...	* 9.206	+34.231	1.00	...	...	...	13.685	-11.200	-3	m	...	...	...	32.663	+26.633	-2	...	...
...	* 7.540	+1.237	1.00	...	...	...	† 13.862	+0.122	-4	m	...	...	...	* 33.001	-41.019	1.30	44. 138	9.4
...	7.533	-41.119	0.75	13.990	+1.674	-5	m	33.009	-58.093	-4
...	7.153	+23.095	-3	M	14.012	-50.700	-5	m	33.187	-17.245	-5	m	...
...	-7.153	+13.857	0.90	+14.231	-23.471	-3	m	+33.437	-34.043	-5	m	...
...	6.462	-26.651	-3	M	14.913	-30.662	-5	m	S + 34.409	-19.694	2.80	44. 139	7.8
...	* 6.191	+43.715	1.05	* 15.012	+59.682	1.30	43. 128	10.0	34.434	+19.619	0.85
...	* 5.739	-49.395	1.10	44. 135	10.2	...	15.075	-29.676	-3	m	34.902	+29.945	-1
...	5.601	+11.207	-3	M m	15.088	-59.357	-3	m	34.983	-17.028	-3	m	...
161	...	...	...	...	...	221	...	...	...	...	...	281	...	...	...	...	...
...	-5.280	-33.353	-3	M m	+16.582	+35.618	-3	m	+35.619	-53.797	-5	m	...
...	* 4.835	+9.750	2.50	43. 122	8.0	...	16.687	+43.323	0.65	35.804	-28.240	-3	m	...
...	* 4.479	+19.840	1.00	16.767	-52.810	-5	m	35.825	-15.324	0.90
...	* 3.373	+50.808	1.05	16.909	+13.511	0.85	36.060	+13.258	-2
...	3.298	-27.129	-1	A m	17.301	+53.378	2.25	43. 129	8.3	36.298	+7.554	0.75
...	-2.751	-25.574	-3	M m	* 17.505	-27.448	1.00	+37.094	-14.250	-3	b	...
...	2.533	-18.756	-4	M m	17.569	+8.577	-5	m	37.697	+42.590	0.90
...	1.875	-13.318	0.85	17.781	+39.430	-5	m	* 38.300	+51.542	1.20	43. 132	10.2
...	1.482	+59.534	-4	M m	18.785	+45.713	0.75	38.590	-56.849	-3
...	+ 1.113	+0.192	0.95	F m	18.791	+19.344	-2	m	38.761	-51.048	-1
171	...	...	...	...	...	231	...	...	...	...	...	291	...	...	...	...	...
...	-0.808	-40.021	-4	M m	+18.990	+44.853	-4	m	+38.851	-3.239	-5	m	...
...	-0.700	-46.502	-4	M m	19.029	+34.498	-5	m	39.120	-42.836	-5	m	...
...	+0.014	+13.369	-3	M m	19.293	-42.315	-3	m	39.258	-19.676	0.95
...	0.271	+4.926	-5	M m	19.515	-7.310	-2	b	39.380	-58.800	-5	m	...
...	1.056	+58.051	-5	M m	19.917	-47.592	1.40	44. 137	9.8	* 39.388	-41.878	-5	m	...
...	+1.069	+52.775	-5	M m	+20.144	-20.902	-2	b	+39.405	-48.108	1.20	44. 140	9.8
...	1.723	-8.633	0.70	B m	20.195	+40.953	-5	m	40.230	-1.754	-5	m	...
...	S * 2.353	+23.938	2.60	43. 123	8.0	...	20.444	+14.752	0.70	40.613	-51.844	-1
...	2.903	-32.433	0.75	M	20.777	+42.813	-5	m	+ 40.820	-49.653	-4
...	3.077	-29.981	-3	M m	21.261	-40.383	0.70	* 41.446	+5.904	1.05	44. 141	10.2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
301-320						321-340						341-348						
30I	+41.643	-32.828	0.95	o	...	32I	+48.574	+29.084	1.00	o	...	34I	+56.627	+39.675	-5	o	m	...
...	42.021	+44.678	-2	...	...	...	48.810	-2.584	0.80	e	...	...	56.712	-23.511	1.00	...	...	...
...	42.042	+47.006	-5	m	...	...	48.908	-1.676	-4	m	...	...	56.783	-51.340	-1	...	...	...
*	42.374	+10.363	0.95	...	...	...	49.008	+41.294	-4	...	...	...	57.024	+34.226	-5	m	...	...
*	42.545	+0.044	1.00	a	...	S*	49.024	+49.023	2.30	43. 135	8.4	...	57.371	+17.751	-5	m	...	...
...	+42.713	-21.765	0.85	...	...	...	+49.376	-24.192	0.85	...	...	...	+57.704	+9.764	-4	m	...	...
...	44.074	+39.210	-1	...	...	*	49.716	+27.518	1.60	43. 137	8.9	...	57.942	-6.000	-2	m	...	...
†	44.733	-40.206	-3	...	...	...	49.907	+38.354	-5	m	...	*	58.997	-48.609	1.20	44. 143	10.2	...
...	45.243	+54.955	-5	m	...	*	50.350	+6.542	1.00	...	...	...	...	...	...	...	...	...
...	45.328	+22.224	-5	m	...	*	50.731	-58.637	1.80	45. 130	9.4	...	...	...	...	...	...	...
31I	+45.635	-48.989	-4	m	...	33I	+51.385	-8.859	-5	m	...	...	...	...	...	...	...	...
...	45.716	-37.130	1.00	...	...	...	51.742	-3.097	-4	m	...	...	...	...	...	...	...	...
...	45.990	-30.644	-4	m	...	...	51.956	-23.066	-5	m	...	...	...	...	...	...	...	...
...	46.023	+13.748	-4	m	...	...	52.437	+11.216	-4	m	...	...	...	...	...	...	...	...
...	46.733	+29.400	0.90	...	...	...	52.476	+1.208	0.75	...	...	...	...	...	...	...	...	...
*	+48.089	+30.295	1.20	43. 134	9.4	...	+52.773	-19.025	-5	m	...	...	...	...	...	...	...	...
...	48.195	-45.059	0.75	...	...	...	53.128	-3.138	0.80	...	...	...	...	...	...	...	...	...
...	48.220	-9.820	-4	m	...	...	54.542	-44.405	-5	m	...	...	...	...	...	...	...	...
*	48.226	-19.031	1.40	44. 142	9.4	...	55.137	-3.349	1.00	...	...	...	...	...	...	...	...	...
...	48.460	+45.611	1.00	...	...	*	56.212	+34.917	1.20	43. 138	10.2	...	...	...	...	...	...	...

1-30						31-60						61-90						
I	-59.116	-19.190	1.20	44. 142	9.4	3I	-32.310	-15.734	1.80	44. 149	8.8	6I	-3.745	+34.757	-5	o	m	...
*	59.038	+27.369	1.35	43. 137	8.9	S*	32.238	-43.865	-2	...	...	...	3.159	+58.768	-3	...	...	...
...	59.037	-2.743	-5	E	...	...	31.844	-41.062	-1	...	...	...	2.803	+30.455	-5	m	...	...
...	57.810	-24.319	-5	...	...	...	28.606	-6.322	0.85	...	...	*	-1.744	-59.376	1.00	45. 139	10.2	...
...	57.773	+6.420	-2	...	...	...	28.543	-10.409	-5	M	...	...	+6.636	+39.993	-4	...	...	...
...	-55.482	+1.157	-5	...	...	...	-27.634	-46.422	-4	...	...	...	+7.003	-44.119	-2	...	...	...
*	55.406	-58.699	1.40	45. 130	9.4	...	27.392	+36.267	-4	...	...	...	* 7.024	-47.916	1.00	44. 156	10.2	...
...	54.714	-3.164	-4	...	...	...	26.334	-23.906	-2	...	...	...	* 9.098	-23.658	1.10	44. 157	9.6	...
...	52.774	+34.963	1.00	43. 138	10.2	...	25.371	+2.796	-4	...	...	...	9.555	-52.827	1.00	...	...	...
...	52.701	-3.314	-3	...	...	*	23.637	-16.072	1.00	44. 150	10.2	...	† 10.004	-31.112	0.75	44. 158	10.2	...
II	-50.504	-23.420	-2	...	...	4I	-22.691	+60.018	0.80	43. 145	10.2	7I	+12.545	-20.899	-2	...	...	...
...	47.461	-48.419	-1	44. 143	10.2	...	21.361	+23.001	-4	...	...	...	12.668	+58.258	-5	...	...	...
S*	46.500	-36.853	1.40	44. 144	9.2	...	21.278	+54.341	-3	...	...	...	12.740	-16.984	-4	a	...	...
...	45.124	-24.928	1.00	44. 145	10.2	*	20.450	+43.835	1.20	43. 146	9.8	...	14.151	-10.992	-3	...	...	...
S*	43.416	+30.716	2.00	43. 139	8.4	...	20.276	+47.178	-4	...	...	...	14.164	+7.967	-3	a	...	...
*	-43.103	-3.607	1.00	44. 146	9.8	S*	-18.561	+7.250	1.00	44. 151	10.0	...	+15.028	+59.511	-5	...	...	...
...	42.963	+15.429	-5	...	...	*	17.575	-18.053	1.00	44. 152	9.4	*	15.738	+52.042	1.00	43. 151	10.2	...
...	42.431	+11.054	-3	...	...	*	16.824	+48.399	1.60	43. 147	9.2	...	15.755	-58.478	-5	...	...	...
*	41.808	+40.757	1.30	43. 141	8.9	...	15.955	+32.590	-2	...	...	...	17.080	-43.947	-2	...	...	...
...	40.880	-46.272	-2	...	...	...	15.906	-12.456	0.80	44. 153	10.2	*	17.198	-33.445	1.00	44. 159	10.2	...
2I	-39.207	+0.313	-5	β	...	5I	-15.270	-29.718	-2	...	...	8I	+17.647	-19.651	0.70	...	...	...
*	36.682	+46.486	1.20	43. 142	9.4	†	14.828	-55.401	0.65	...	...	...	19.041	+10.943	0.85	...	...	...
*	35.661	+47.057	1.50	43. 144	8.8	...	14.489	+14.700	0.90	...	...	*	20.087	+59.421	2.40	43. 152	8.1	...
...	35.616	+9.118	1.00	43. 143	10.2	...	12.973	-0.132	-4	M	...	...	22.401	+42.991	-5	...	...	...
...	35.147	-59.378	-5	...	...	...	9.678	+18.253	-3	...	...	...	22.678	-44.793	-3	...	...	...
†	-34.880	-5.359	1.00	44. 147	9.8	...	-8.590	+50.895	-3	...	...	...	+22.931	+21.041	-3	...	...	...
...	34.717	+9.615	-3	...	...	*	7.990	-19.189	1.00	44. 154	9.6	...	23.499	+8.059	-2	...	...	...
...	34.609	-49.427	0.80	...	...	†	5.406	+30.148	1.00	43. 149	10.2	...	25.136	+23.499	-4	...	...	...
*	33.571	+1.628	1.00	44. 148	10.2	†	4.950	-2.198	1.00	44. 155	9.6	S*	25.982	-33.876	1.15	44. 160	9.4	...
...	33.426	+10.501	-3	...	...	*	4.703	+55.909	1.70	43. 150	8.8	...	26.071	+24.182	-2	...	...	...

L measured from 1, 46, 83.
 C " " " 21, 65, 110.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	z.		No.	Mag.		x.	y.	z.		No.	Mag.		x.	y.	z.		No.	Mag.
91-110							111-130							131-132						
91	+27.891	+56.308	3.90	43. 153	7.0		111	+42.326	-43.649	2.20	44. 162	7.9		131	+59.420	+15.838	4	...	...
*	28.430	-42.788	-2	...	...		S*	45.534	-24.095	0.90	44. 163	10.2		...	59.759	-26.734	0.95	...	...
...	29.102	+16.960	0.95	...	...		...	45.578	-24.181	0.90	...	...		...	...	...	...	...	...
...	29.508	-28.413	-4	...	...		...	45.668	-43.649	-5	...	...		...	...	...	...	...	...
*	30.123	+50.393	1.00	...	...		S*	46.580	+8.143	3.05	43. 155	7.2		...	...	...	...	...	...
...	+30.872	+16.057	0.80	...	...		...	+47.010	-35.996	-5	...	...		...	...	...	...	...	...
...	31.089	-13.439	-5	m	...		*	47.218	-12.700	1.20	44. 164	9.8		...	...	...	...	...	...
...	32.175	-46.340	0.80	...	...		...	47.931	+33.383	0.65	...	...		...	...	...	...	...	...
...	32.542	-13.896	-3	...	...		...	48.498	-10.782	-4	e	...		...	...	...	...	...	...
...	32.959	+30.921	-4	...	...		...	48.657	+51.128	-2	...	...		...	...	...	...	...	...
101	+33.907	-29.187	1.35	44. 161	9.0		121	+48.741	+10.655	-3	...	...		...	...	...	...	...	...
...	34.515	+27.669	0.70	...	...		...	50.014	+4.601	-4	...	...		...	...	...	...	...	...
...	34.649	-23.160	0.95	...	...		*	51.323	+10.501	1.20	43. 156	9.6		...	...	...	...	...	...
...	35.150	-0.892	-3	...	...		S*	51.902	-9.351	2.00	44. 165	8.4		...	...	...	...	...	...
...	35.207	+52.995	1.00	...	...		...	52.620	+13.855	-5	...	...		...	...	...	...	...	...
S*	+35.559	+29.515	1.00	43. 154	10.2		†	+54.935	+5.446	0.65	...	...		...	...	...	...	...	...
...	35.701	+40.485	-5	...	...		*	55.426	-23.932	1.15	44. 166	10.2		...	...	...	...	...	...
...	36.101	+38.743	-3	...	...		S*	57.404	+54.081	1.50	43. 158	9.2		...	...	...	...	...	...
...	38.226	+47.906	-4	...	...		S*	57.558	+5.107	-2	...	...		...	...	...	...	...	...
...	40.812	-31.327	0.65	...	...		S*	58.383	-31.837	1.35	44. 167	9.4		...	...	...	...	...	...

1-30							31-60							61-90						
I	-59.514	+10.487	-4	...	...		31	-44.814	-0.044	1.00	α	...		61	-27.733	+5.426	-4	M	...
...	59.097	-10.934	-5	E	...		...	44.667	-12.307	-5	M	...		...	27.695	-37.299	0.70	...	...
...	58.881	+21.183	-5	...	...		...	42.946	+33.047	1.00	...	...		...	26.822	+56.735	0.90	...	...
...	58.053	+4.468	-5	...	...		...	42.661	+46.476	-1	...	...		...	26.577	-12.738	-3	...	...
...	57.106	+55.917	-5	M	...		...	42.473	+42.795	-5	...	...		...	25.437	-56.510	-5	...	...
S*	-56.921	+10.424	1.50	43. 156	9.6		...	-41.556	+23.185	-2	...	...		...	-24.900	+27.148	-4	...	...
...	55.736	-9.379	2.00	44. 165	8.4		...	41.315	-33.337	-3	...	...		†	24.797	-56.972	1.20	45. 151	9.6
...	55.731	+13.817	-5	...	...		...	40.530	+1.322	-4	...	...		*	21.752	+26.983	1.20	43. 159	10.0
...	55.454	-13.671	-5	M	...		...	39.681	+16.305	0.65	...	...		...	21.693	-21.094	-5	M	...
...	55.129	+20.228	-5	M	...		...	37.226	-33.550	-5	M	...		S*	21.566	-7.665	3.50	44. 171	6.7
II	-53.427	+33.420	-5	M	...		41	-35.667	+39.449	-5	M	...		71	-20.329	+14.237	-5	...	...
...	53.147	+5.476	-2	...	...		...	35.604	+7.302	-1	...	...		...	20.294	-23.761	-4	...	...
S*	52.158	+54.168	2.10	43. 158	9.2		...	35.383	+16.938	-2	...	...		...	19.038	+30.198	-2	...	...
...	51.843	-40.638	-3	...	...		*	34.694	-42.240	1.30	44. 170	10.2		...	18.725	+2.655	1.15	44. 172	9.4
...	51.772	-23.875	1.25	44. 166	10.2		...	34.579	+43.453	-3	...	...		...	17.792	+38.835	0.80	...	...
...	-51.056	-57.049	-5	...	...		...	-33.377	-18.121	-4	M	...		...	-16.375	+35.818	-3	...	...
...	50.526	+5.220	-4	...	...		...	33.156	-13.860	-3	...	...		...	16.269	+12.484	-2	...	...
...	50.342	+38.171	-5	M	...		...	32.946	-58.128	-5	M	...		†	14.962	-41.968	-2	...	...
...	49.748	+26.818	-5	...	...		...	32.903	-12.188	0.70	...	...		...	13.818	-23.109	-4	M	...
...	48.999	+15.989	-4	...	...		...	32.831	-16.960	0.65	...	...		...	13.554	-30.181	-4	...	...
21	-48.582	-31.688	1.20	44. 167	9.4		51	-31.913	-34.875	-4	...	...		81	-13.408	+42.802	-1	...	...
S*	48.573	+30.896	1.00	...	...		†	31.419	-53.933	-5	...	...		...	12.707	+19.694	1.05	43. 160	8.4
...	48.512	+17.269	1.00	...	...		...	31.233	-24.761	-3	...	...		...	12.190	-47.062	1.00	...	...
...	48.447	-34.179	-5	...	...		...	30.941	-39.020	0.75	...	...		...	11.106	+38.974	-5	...	...
...	47.519	+19.083	1.00	...	...		...	30.581	-25.992	0.75	...	...		...	10.816	+32.745	-5	...	...
*	-47.358	-26.550	1.00	...	...		...	-29.603	+35.613	1.00	...	...		...	-10.544	-29.709	-3	...	...
*	45.827	+1.445	1.10	44. 168	10.2		...	29.306	+13.290	-4	M	...		...	10.031	-30.731	-5	M	...
...	45.615	+26.233	-5	...	...		...	29.036	+46.663	0.75	...	...		*	9.830	+43.406	1.10	43. 162	9.5
...	45.548	+26.456	-2	...	...		...	28.879	+29.529	-5	M	...		...	9.008	-44.577	-1	...	...
+	44.921	-26.842	1.05	44. 169	10.0		...	28.724	-5.387	-5	M	...		...	8.803	-27.200	1.00	...	...

I. measured from 1, 73, 147.
 C. " " " 39, 106, 177.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
91-140						141-190						191-216						
91	- 8.584	+ 9.216	- 5	M	...	141	+ 18.911	- 54.241	- 5	m	...	191	+ 43.819	+ 20.277	- 3	...	...
...	8.570	+ 12.149	- 5	M	...	*	18.987	- 38.614	1.00	...	...	*	45.351	- 57.435	1.30	45. 164	10.0	
...	8.557	- 57.480	- 5	...	...	...	19.172	- 13.806	0.65	...	...	...	45.532	+ 26.341	0.85	...	...
...	7.786	- 3.390	- 5	M	...	...	19.183	+ 35.570	0.90	...	...	...	45.790	- 35.888	0.65	...	...
...	6.161	+ 33.767	1.00	...	...	*	19.281	+ 23.245	1.00	43. 170	10.2	...	46.012	+ 45.959	- 3	...	...
Mf†	- 4.854	+ 0.082	1.20	44. 173	9.2	...	+ 19.325	+ 30.668	0.85	...	...	...	+ 47.094	+ 11.110	- 4	...	...
...	4.375	+ 46.626	- 4	...	...	...	20.979	- 15.516	- 5	m	...	...	S*	47.118	+ 10.292	2.30	43. 173	7.9
...	4.301	- 2.493	- 5	M m	...	...	21.404	- 2.770	- 5	m	...	...	...	47.508	- 27.962	- 3	...	...
*	3.717	+ 44.407	1.00	43. 163	10.2	...	21.629	+ 19.512	- 2	...	...	...	...	48.597	- 39.389	- 3	...	...
...	3.503	+ 11.027	1.00	...	...	...	21.712	+ 56.152	- 1	...	...	...	...	48.706	+ 36.711	0.95	...	...
101	...	...	...	...	...	151	...	...	...	...	...	201	...	...	...	...	...	...
...	- 3.297	+ 32.787	- 3	...	...	...	+ 22.742	+ 5.913	- 5	m	...	...	*	+ 48.766	+ 4.769	1.00	...	...
*	1.649	- 58.328	1.05	45. 155	10.2	...	23.238	+ 7.697	- 5	m	...	...	...	50.354	- 0.832	- 5	m	...
...	0.897	- 9.369	- 3	m	...	...	24.153	+ 25.150	0.90	...	...	...	...	50.890	+ 43.513	- 4	...	...
...	0.881	+ 58.760	- 1	...	...	*	24.188	+ 17.677	1.00	...	...	...	*	51.100	- 2.887	1.00	...	...
α m	- 0.235	+ 0.497	1.00	44. 174	10.2	...	25.814	- 19.243	0.85	...	...	...	...	52.661	+ 4.444	- 5	...	...
...	+ 0.172	+ 58.800	- 1	...	...	...	+ 26.147	- 21.112	- 5	m	...	...	...	+ 52.751	- 23.310	- 4	...	...
...	0.539	- 38.855	- 5	M	...	...	26.256	- 38.704	1.00	...	...	...	*	53.331	+ 14.852	1.35	43. 174	9.2
...	0.882	+ 51.770	- 5	...	...	...	26.780	+ 52.420	- 5	...	...	...	...	54.422	- 10.236	- 5	m	...
*	2.181	- 46.930	1.00	...	...	...	28.067	+ 53.035	- 5	m	...	...	...	55.093	- 42.202	- 3	...	...
*	2.684	+ 1.296	1.00	44. 175	10.2	...	28.663	+ 28.029	- 3	...	...	...	*	55.398	+ 19.287	2.20	43. 175	8.2
111	...	...	...	...	...	161	...	...	...	...	...	211	...	...	...	...	...	...
...	+ 3.629	+ 47.377	- 5	...	...	...	+ 29.143	- 52.291	- 5	m	...	...	...	+ 55.934	- 10.471	- 5	m	...
...	3.852	- 53.798	- 5	M m	...	...	30.072	+ 27.479	- 5	...	...	...	...	57.444	- 19.009	- 4	...	...
S †	4.819	+ 42.848	1.25	43. 165	9.4	...	30.543	- 52.492	- 1	...	...	...	...	57.617	- 11.767	- 4	...	...
*	5.333	+ 22.279	1.00	...	...	...	30.759	+ 9.422	- 5	m	...	...	*	57.878	+ 28.412	1.10	43. 176	10.2
...	5.449	- 14.066	- 4	M m	...	...	31.609	+ 59.253	- 5	...	...	...	...	58.667	+ 27.453	- 4	...	...
*	+ 5.639	+ 33.883	1.00	...	...	*	+ 32.360	+ 26.560	1.05	43. 171	10.2	...	...	+ 58.712	+ 37.635	- 5	...	...
...	6.490	- 43.089	- 4	...	...	...	33.909	+ 2.990	- 3	...	...	...	...	...	...	...	...	...
...	6.800	+ 44.580	0.95	...	...	S*	34.171	- 27.177	1.25	44. 178	9.0	...	...	...	...	...	...	...
...	6.943	- 57.149	- 1	...	...	...	34.821	- 48.416	- 5	m	...	...	...	...	...	...	...	...
*	7.583	+ 15.772	1.00	43. 166	10.2	...	35.349	+ 55.848	- 3	...	...	...	...	...	...	...	...	...
121	...	...	...	...	...	171	...	...	...	...	...	...	...	...	...	...	...	...
...	+ 7.715	+ 43.247	1.00	...	...	...	+ 35.931	+ 45.716	1.00	...	...	...	...	...	...	...	...	...
...	7.919	+ 50.465	- 3	...	...	...	36.096	- 15.812	0.90	...	...	...	...	...	...	...	...	...
...	8.414	+ 38.219	- 5	m	...	...	36.591	+ 13.220	- 2	...	...	...	...	...	...	...	...	...
...	8.800	+ 38.631	1.00	...	...	...	37.449	+ 23.547	0.85	...	...	...	...	...	...	...	...	...
...	9.026	+ 28.547	- 4	...	...	...	38.901	- 33.342	1.00	...	...	...	...	...	...	...	...	...
...	+ 9.160	+ 48.772	- 5	...	...	...	+ 38.934	- 24.106	- 5	m	...	...	...	...	...	...	...	...
...	10.218	- 14.118	0.70	...	...	†	39.991	- 29.804	1.10	44. 179	9.8	...	...	...	...	...	...	...
...	10.414	- 58.303	- 4	...	...	...	40.182	- 18.893	0.70	...	...	...	...	...	...	...	...	...
...	10.429	+ 17.265	- 4	...	...	...	40.777	+ 9.987	- 5	m	...	...	...	...	...	...	...	...
...	10.437	+ 51.066	0.75	...	...	...	40.909	+ 50.220	- 5	m	...	...	...	...	...	...	...	...
131	...	...	...	...	...	181	...	...	...	...	...	...	...	...	...	...	...	...
...	+ 10.589	- 36.401	- 5	m	...	...	+ 41.092	+ 52.383	- 3	...	...	...	...	...	...	...	...	...
S*	11.129	+ 26.208	1.05	43. 167	10.0	...	41.186	+ 22.450	- 5	m	...	...	...	...	...	...	...	...
*	12.435	+ 53.153	1.20	43. 168	10.2	...	42.166	+ 51.924	- 1	...	...	...	...	...	...	...	...	...
...	13.130	- 16.979	0.80	...	...	...	43.176	- 10.134	- 4	m	...	...	...	...	...	...	...	...
...	16.320	- 11.725	1.00	44. 176	10.2	...	43.320	+ 55.667	- 1	...	...	...	...	...	...	...	...	...
*	+ 16.502	- 24.398	1.00	44. 177	10.2	...	+ 43.330	- 25.951	- 5	m	...	...	...	...	...	...	...	...
...	17.284	+ 37.027	- 5	...	...	...	43.418	- 3.797	- 5	m	...	...	...	...	...	...	...	...
...	18.098	- 25.216	- 5	m	...	†	43.521	+ 9.901	5.00	43. 172	5.4	...	...	...	...	...	...	...
*	18.133	+ 36.696	1.30	43. 169	9.4	...	43.566	+ 31.899	- 3	...	...	...	...	...	...	...	...	...
...	18.845	+ 25.486	- 1	...	...	...	43.727	+ 41.353	- 4	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
1-60						61 120						121 173								
I	-59.547	-28.157	-5	...	...	61	-14.343	+40.841	-3	...	...	121	-19.508	+45.264	-4	...	...	
...	59.303	+4.612	0.95	...	...	...	12.236	+32.794	1.00	...	...	...	19.603	-48.962	1.40	44.	197	9.0	
...	58.349	+43.400	-5	...	...	...	11.438	-38.123	-2	...	...	...	19.686	+4.213	1.00	44.	196	10.2	
...	58.097	-39.523	-5	...	...	*	10.604	-39.829	1.90	44.	185	8.4	S*	20.252	-36.069	1.50	44.	198	8.6
*	56.717	-2.980	1.00	...	...	*	10.074	-11.512	1.00	44.	186	10.2	...	20.458	+27.532	0.95	...	...
...	-55.382	+4.396	-5	...	...	...	-9.758	+52.754	-4	A	...	...	...	+20.673	+15.815	0.90	...	...
*	55.037	+14.808	1.30	43.	174	9.2	9.321	-24.972	2.50	44.	187	7.9	...	20.974	+22.546	-5	m	...		
...	54.448	-23.350	-5	...	...	...	8.391	-28.424	-2	...	...	...	...	21.323	-34.556	-3	...	...
*	53.105	+19.301	2.20	43.	175	8.2	...	8.363	-27.902	-3	A	...	...	22.102	-7.991	-5	...	...
...	51.527	-42.150	-4	...	...	...	...	6.594	-39.139	0.65	...	...	...	24.968	-40.587	-3	...	...
II							71							131						
*	-50.911	+28.506	1.00	43.	176	10.2	...	-6.326	-44.401	-5	...	...	...	+25.521	-33.118	1.00	44.	199	9.8
...	50.108	+27.568	-5	...	...	...	...	6.258	-20.232	-3	...	...	...	27.271	+28.747	0.95	...	...
...	49.939	-11.657	-5	...	...	...	...	4.434	-44.968	-5	M m	...	...	27.355	+26.475	-5	m	...	
...	49.904	-18.890	-5	...	...	...	...	4.259	-18.479	0.70	...	...	...	27.487	-8.429	0.90	...	...
*	47.354	+37.812	1.80	43.	177	8.8	S*	4.211	-51.678	1.75	44.	188	8.6	...	28.067	-10.350	-3	...	...
...	-45.901	+23.009	-5	M	...	...	...	-3.760	+33.325	-3	m	...	...	...	+28.319	-17.525	0.70	...	...
...	43.676	-4.983	-3	A	3.199	+2.508	-5	M m	29.621	-53.584	1.15	45.	184	10.0
...	43.467	-54.849	-4	...	...	...	...	2.789	-54.567	1.80	45.	176	8.4	...	30.075	+41.612	0.85	...	...
...	43.406	-49.980	-3	...	...	...	S*	2.605	+14.749	1.05	43.	183	10.2	...	30.983	-53.291	-5	...	...
...	42.534	+27.399	-5	...	...	...	...	2.268	+24.468	-5	m	...	...	...	32.231	+29.898	-3	...	...
2I							81							141						
S*	-41.908	+46.401	1.80	43.	178	9.0	...	-2.027	-5.355	-5	M m	...	...	...	+33.767	-35.023	-4	m	...
...	40.048	+33.489	-4	S*	1.619	-26.481	1.25	44.	189	9.4	...	34.095	-37.644	1.00	44.	200	10.0
...	37.416	-21.550	-3	...	...	...	...	1.528	-35.157	1.00	44.	190	10.2	...	34.424	-6.938	-4	m	...
*	37.245	-6.210	1.10	44.	180	10.0	...	-0.614	-20.726	0.90	...	...	...	34.697	+34.798	-5	m	...	
*	36.560	-0.333	1.00	44.	181	10.2	...	+1.280	-54.134	1.10	45.	179	10.0	...	36.933	-49.936	-5	m	...	
...	-35.983	-31.185	-5	M	...	...	...	+1.933	-43.962	-3	...	...	...	...	+37.688	+27.444	-5	...	...
...	34.019	+54.223	-3	...	...	...	S*	2.442	+44.945	1.25	43.	184	9.0	...	38.371	+41.046	-2	...	...
...	33.986	-52.742	-4	...	...	...	...	4.049	+55.136	-4	m	...	...	...	38.744	+2.464	-3	...	...
...	32.652	+3.725	-3	...	...	...	...	4.893	-59.224	-1	...	...	...	...	39.192	-9.914	0.75	...	...
*	32.084	+11.108	1.00	43.	179	10.2	...	4.993	-28.512	1.00	44.	191	10.2	...	40.200	-1.143	1.20	44.	201	9.4
3I							91							151						
*	-30.903	+8.341	1.00	43.	180	10.2	...	+5.201	-43.500	0.75	...	...	...	...	+40.518	+45.563	-2	...	...
†	30.267	+49.994	-4	...	...	...	...	5.216	-54.110	1.00	45.	180	10.2	...	41.587	-10.677	0.70	...	...
*	30.102	+15.246	1.00	43.	181	10.2	...	5.228	+19.077	-5	M m	42.274	+6.908	1.00	44.	202	10.2
...	29.712	-21.815	2.15	44.	182	7.6	...	5.626	+44.786	0.65	43.658	+4.385	0.90	44.	203	10.2
...	28.692	-35.673	-4	5.745	-11.529	1.00	44.	192	10.2	...	43.973	+56.166	1.60	43.	188	9.2
*	-28.285	+26.929	1.00	43.	182	10.2	...	+5.858	+17.866	-3	+44.733	-16.150	1.00	44.	204	10.2
...	28.271	-36.506	-5	M	6.222	+58.194	-3	S*	46.260	+33.552	4.00	43.	189	6.8
...	28.027	-13.721	-4	M	...	...	...	7.460	-43.507	1.00	...	...	...	...	46.443	+4.218	0.80	...	...
...	28.002	+18.166	-3	7.830	-27.161	1.00	44.	193	10.2	...	47.236	-27.800	1.15	44.	205	9.8
...	26.828	+7.402	0.80	...	...	...	...	8.046	-52.622	-5	...	...	...	...	49.746	+29.224	1.00	...	...
4I							101							161						
...	-26.005	-37.937	1.00	+8.507	-14.797	-5	m	+50.194	-47.347	1.10	44.	206	10.2
...	24.429	-29.019	-2	...	...	...	...	8.824	-17.781	0.95	...	...	...	...	50.505	-6.970	-5	m	...
...	24.395	-34.601	-2	...	...	...	...	8.862	-3.420	1.40	44.	194	9.2	...	51.475	+21.642	-4	...	...
...	24.295	-2.982	-2	...	...	...	...	8.879	-53.304	0.85	...	...	...	...	52.310	-33.734	-3	...	...
...	23.752	+20.699	-3	A	...	...	...	9.871	-25.948	0.90	...	...	...	...	52.382	-47.499	-4	...	...
...	-23.487	+7.708	0.90	...	...	...	...	+10.176	+55.963	-5	...	...	...	...	+52.624	-34.011	1.00	...	...
...	23.159	-34.826	-2	...	...	...	...	10.534	+41.573	-5	m	...	...	...	54.598	+1.877	0.90	...	...
...	19.194	-24.055	-3	...	...	...	...	10.962	-2.307	1.10	44.	195	9.6	...	54.601	+2.441	-5	m	...
...	19.063	+41.852	0.85	...	...	...	...	13.193	+52.783	1.35	43.	185	9.4	...	54.796	+9.019	-5	m	...
...	18.356	-25.193	0.80	13.818	-31.004	-4	55.310	+46.687	1.10	43.	190	10.2
5I							111							171						
*	-18.222	-22.065	1.00	44.	183	10.2	S*	+16.832	+29.375	2.05	43.	186	8.2	...	+55.472	-22.568	0.90	...	...
...	17.751	+12.001	-5	17.546	+1.794	-2	56.068	-35.230	1.10	44.	207	10.2
...	17.131	+29.261	-2	...	...	...	...	17.558	+51.430	0.80	...	...	...	...	57.876	+14.866	0.70	...	...
...	16.939	-4.471	-2	...	...	...	...	17.617	-17.492	0.85	...	...	...	...	...	...	...	...	...
...	16.168	-49.460	-1	...	...	...	...	17.722	+43.583	0.80	...	...	...	...	...	...	...	...	...
*	-15.314	-32.549	1.25	44.	184	9.0	...	+17.758	+51.741	-1	...	...	...	...	...	...	...	...	...
...	15.205	-46.611	0.70	...	...	...	...	17.791	-51.440	-5	...	...	...	...	...	...	...	...	...
...	15.180	-25.773	0.75	...	...	...	...	17.932	-26.437	0.75	...	...	...	...	...	...	...	...	...
†	14.935	+41.080	-2	...	...	...	...	18.115	+21.241	0.70	...	...	...	...	...	...	...	...	...
...	14.499	+18.244	0.85	...	...	...	...	19.006	-54.806	-1	...	...	...	...	...	...	...	...	...

L measured from 1, 48, 124.
 C " " " 23, 85, 150.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
1-50						51-100						101-140							
I	...	...	...	...	...	51	...	...	...	...	...	101	...	...	...	...	...
...	-59°079	+29°083	0·95	...	...	...	-6°583	+27°965	0·80	...	...	...	+28°387	+8°324	-5	...	...
...	57°113	+21°544	-5	...	...	...	5°593	+20°224	-2	<i>m</i>	...	...	...	28°679	+40°804	0·95	...	
...	56°291	-47°449	1·00	44.	206	10·2	...	5°410	+28°196	-5	<i>m</i>	...	...	29°737	+32°236	-3	...	
†	54°581	-33°779	-5	...	...	...	...	5°335	-22°528	-3	<i>m</i>	...	...	29°830	+29°823	1·00	...	
...	54°269	-34°056	1·00	...	...	...	...	4°069	+12°718	-3	...	...	...	30°781	-42°547	-3	...	
...	-54°103	-47°544	-5	...	...	...	...	-2°878	-55°503	-4	...	...	...	+31°607	+4°597	0·95	...	
...	54°043	+46°714	1·00	43.	190	10·2	S*	2°826	-36°821	1·10	44.	213	10·0	...	31°658	-51°989	1·00		
...	53°390	+1°883	0·75	...	...	...	...	0°574	-12°206	-5	<i>M</i>	...	...	32°913	+36°900	-3	...	
...	51°763	-22°520	0·85	...	...	...	...	0°195	+14°809	-5	<i>m</i>	...	S*	33°901	+51°557	3·00	43.	
...	50°794	-35°157	1·00	44.	207	10·2	...	-0°081	+56°941	-3	...	...	...	35°940	+57°046	-1	...	
II	...	...	...	...	...	61	...	...	...	...	...	III	...	...	...	...	...
†	-50°515	+14°977	0·70	...	...	†	+0°300	-42°456	1·00	...	...	...	...	+36°768	+9°436	1·00	...	
...	44°650	-45°433	0·70	...	...	...	...	0°482	-52°557	0·65	...	...	S*	37°558	-28°375	2·70	44.	
†	44°458	-52°479	-1	44.	208	10·2	*	1°331	+46°292	1·10	...	...	...	38°209	-32°253	1·00	...	
...	44°288	-28°719	0·75	...	...	...	...	4°285	+22°497	-4	<i>m</i>	...	...	...	38°473	+5°468	-2	...
...	44°263	+10°206	0·75	...	...	...	...	4°504	+11°162	0·70	...	...	*	...	38°752	-29°318	1·05	
...	-43°484	+7°753	0·95	...	...	...	...	+6°055	+40°867	0·90	...	...	...	...	+38°987	+12°361	-3	
...	43°161	-30°734	1·00	44.	209	10·2	...	6°694	+4°905	-3	...	...	...	...	39°159	-46°691	1·00	
*	42°793	-22°465	1·30	44.	210	9·0	*	7°714	-8°863	2·20	44.	214	8·5	...	...	40°799	-33°779	0·80
...	42°518	+57°611	-4	...	...	...	...	7°887	-6°458	0·85	...	...	*	...	...	43°651	-50°128	2·00
...	41°493	+12°575	-5	<i>M</i>	...	...	...	8°739	-27°676	0·80	...	...	...	...	...	45°923	-19°563	0·90
21	...	...	...	...	...	71	...	...	...	...	...	121	...	...	...	...	...	...
S*	-40°232	+22°889	1·20	43.	191	9·0	†	+10°405	+51°668	-4	...	...	†	+47°614	+19°978	-5	...	
...	38°526	-41°157	0·70	...	...	...	...	10°893	+17°104	-3	...	...	*	47°675	-36°373	2·20	44.	
...	37°697	-53°614	-4	...	...	...	...	11°077	+27°393	-4	...	...	...	...	49°430	+2°344	-4	<i>m</i>
...	36°157	-35°972	0·85	...	...	...	...	11°452	-22°558	1·00	...	...	...	...	49°591	+25°202	-5	<i>c</i>
...	35°856	+43°680	1·00	43.	192	10·2	*	11°614	-48°653	1·15	44.	215	10·0	...	...	49°621	-1°804	-3
...	-34°951	+1°722	-3	...	...	...	...	+11°912	+46°191	0·90	...	...	S*	+49°733	+15°660	1·35	43.	
†	34°509	+36°322	1·00	...	...	...	...	12°757	+3°328	0·90	...	...	...	...	50°017	-41°136	-3	...
...	34°053	+26°754	-3	...	...	...	...	13°919	+53°066	-5	...	...	...	...	...	50°345	+1°762	-3
...	33°978	+56°993	1·10	43.	194	10·2	*	14°439	-48°531	1·20	44.	216	10·0	51°522	-10°937	0·90
S*	33°967	-23°155	1·20	44.	211	9·0	...	14°676	-32°549	-2	52°418	-17°715	0·90
31	...	...	...	...	...	81	...	...	...	...	...	131	...	...	...	...	...	...
...	-31°717	-11°159	0·85	...	...	†	+15°630	-4°999	-4	...	...	...	...	...	+52°966	+42°899	-2	...
...	31°229	+49°179	-4	...	...	*	17°972	+13°746	1·25	43.	198	9·4	*	...	53°204	-18°054	1·25	44.
...	30°592	-43°943	-2	...	...	*	18°122	-27°579	1·15	44.	218	9·6	S*	...	54°803	-44°744	2·00	44.
...	29°220	+22°706	0·70	...	...	*	18°242	-27°255	1·20	44.	217	9·6	*	...	54°990	+52°523	1·25	...
...	27°634	-1°700	-4	...	...	*	18°250	+40°272	1·60	43.	199	8·7	†	...	55°271	+21°216	1·00	...
...	-25°655	-55°706	-3	...	...	...	...	+18°922	-21°739	-4	...	...	...	...	+55°467	+36°986	-4	...
*	23°213	-3°867	1·15	44.	212	9·8	...	18°965	-50°037	0·85	...	...	...	...	55°541	+46°628	-5	...
...	19°935	+47°613	-5	<i>M</i>	...	†	19°438	-24°939	1·50	44.	219	8·5	...	...	57°651	-7°762	0·90	...
*	19°702	+22°148	1·00	43.	195	10·2	...	20°194	-56°288	-4	...	...	...	...	58°223	-22°077	-4	...
...	19°293	+22°097	-3	...	...	...	...	21°524	+20°712	-5	...	...	...	...	59°083	+51°784	0·90	...
41	...	...	...	...	...	91	...	...	...	...	...	...	...	...	...	...	...	...
...	-19°116	+1°753	0·80	...	...	...	...	+21°607	-48°547	0·85	...	...	...	...	...	...	...	...
...	16°257	+31°235	0·85	...	...	...	...	22°237	-38°589	0·90	...	...	...	...	...	...	...	...
...	14°396	-4°334	-3	<i>A</i>	...	...	...	22°542	+1°319	0·85	...	...	...	...	...	...	...	...
...	13°135	-21°413	0·85	...	...	...	...	24°881	-7°237	-2	...	...	...	...	...	...	...	...
...	13°124	-28°618	0·85	...	...	*	...	26°171	+21°829	1·00	...	...	...	...	...	...	...	...
...	-13°095	+12°712	-5	...	...	...	...	+26°361	+6°801	-3	...	...	...	...	...	...	...	...
...	10°928	+46°866	-2	...	...	...	...	26°428	+2°437	0·65	...	...	...	...	...	...	...	...
...	10°494	+18°525	1·00	43.	196	10·2	S*	26°854	+10°732	2·00	43.	201	8·8	...	...	...	...
...	7°920	+33°022	-4	...	...	...	...	28°179	-42°254	0·65	...	...	...	...	...	...	...	...
†	6°629	-14°941	0·90	...	...	*	...	28°243	+15°423	0·95	...	...	...	...	...	...	...	...

L measured from 1, 40, 90.
C ,, ,, 22, 62, 118.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-50						51-100						101-123						
I	-59.136	-36.543	2.00	44.	223	8.0	5I	-11.182	-37.476	-5	...	...	IOI	+39.072	-16.519	-2	...
...	59.118	+25.059	-5	E	...	...	...	10.898	-56.360	0.75	...	...	...	40.367	-57.028	0.70	...
S*	58.668	+15.523	1.30	43.	203	9.4	...	10.588	-3.830	0.95	...	...	...	42.574	-26.465	0.75	...
...	58.254	-1.929	-4	...	...	...	...	10.421	-51.297	1.00	...	...	...	43.126	+28.611	1.00	43. 214
...	57.615	+1.655	-3	...	...	...	...	9.568	+16.716	0.85	...	...	...	44.439	+3.727	1.00	44. 233
...	-56.657	-41.244	-5	...	...	...	...	-8.975	+4.393	-5	...	...	...	+46.637	-56.910	0.80	...
...	56.251	+42.839	-3	...	...	...	...	S* 6.882	+8.447	1.00	43.	208	9.8	46.672	+34.628	1.15	43. 215
...	56.070	-11.005	0.85	...	...	...	...	6.764	-19.043	-3	...	...	...	47.057	-44.118	-3	...
...	54.972	-17.749	0.85	...	...	...	...	1.210	+5.209	-5	...	...	...	47.280	+16.707	0.75	...
...	* 54.547	+52.521	1.10	...	...	...	...	1.006	-26.506	1.00	44.	229	10.0	49.478	-3.830	-1	...
II							6I						III					
...	* -54.162	-18.064	1.30	44.	224	10.0	...	-0.286	-0.376	1.00	...	...	...	+52.117	+39.813	-4	...
...	53.803	+46.645	-4	...	...	...	...	+1.902	-33.967	-2	...	...	...	S* 52.743	+33.512	2.00	43. 216
...	53.597	+37.002	-4	...	...	...	...	* 2.588	-36.201	1.00	...	...	...	S† 53.006	-24.797	1.20	44. 234
...	* 53.300	+21.255	1.00	...	...	...	...	† 3.594	-44.789	-3	...	...	...	...	-30.198	-4	...
S*	51.743	-44.692	2.00	44.	225	8.2	...	3.711	-9.621	-4	...	...	...	* 54.650	+48.948	1.60	43. 217
...	-50.425	+51.898	1.00	...	...	...	...	+4.313	-10.695	-5	...	...	...	† +55.033	-20.456	-3	...
...	50.036	-7.648	0.85	4.442	+12.763	1.00	55.079	+41.000	1.00	...
...	49.043	-21.932	-2	5.225	+21.665	1.00	56.775	-39.969	-4	...
...	* 48.668	+54.111	1.90	43.	204	8.8	...	5.437	-56.854	0.85	56.999	+15.840	-4	...
...	47.803	-41.612	-5	* 6.275	+21.798	-5	57.525	+50.619	0.85	...
2I							7I						12I					
...	-47.102	+31.731	1.00	* +6.687	+18.061	1.05	43.	210	10.0	...	+58.891	-43.918	0.90	...
...	41.788	-36.701	-2	7.810	-56.514	0.95	59.052	-36.362	-4	...
...	* 40.696	+59.581	2.10	43.	205	8.0	...	8.618	+49.325	-3	59.678	+35.743	-4	...
...	* 39.565	-50.790	1.00	...	...	...	...	9.215	-41.354	0.95	...	...	...	...	...	...	...
...	39.146	+43.485	0.95	...	...	...	...	10.001	-45.627	-3	...	...	...	...	...	...	...
...	* -36.789	-39.366	1.00	44.	226	10.0	...	+13.624	-2.479	0.90	...	...	...	...	...	...	...
...	35.980	-49.601	0.75	...	...	...	...	14.699	+49.011	-3	...	...	...	...	...	...	...
...	35.897	-31.991	-5	...	...	...	...	14.937	+32.267	-5	...	...	...	...	...	...	...
...	35.858	-43.430	-5	...	...	...	...	S* 17.042	-20.446	1.25	44.	230	9.2	...	...	...	...
...	* 34.647	-24.751	1.00	...	...	...	...	18.357	-25.143	-5	...	...	...	...	...	...	...
3I							8I						...					
...	† -33.242	-59.769	-5	...	...	...	...	S* +18.726	+27.731	1.75	43.	211	8.6	...	...	...	...
...	32.933	-45.131	0.80	...	...	...	...	18.908	+13.378	-3	...	...	...	...	...	...	...
...	32.896	+21.219	0.90	...	...	...	...	19.133	+44.630	-4	...	...	...	...	...	...	...
S*	32.075	-36.742	1.55	44.	227	8.8	...	S* 19.786	-46.899	1.00	44.	231	9.8	...	...	...	...
...	* 31.319	+7.100	1.00	...	...	...	...	19.878	+23.842	-5	...	...	...	...	...	...	...
...	* -30.322	+8.100	1.50	43.	206	8.5	...	+20.222	+57.847	1.00	...	...	...	...	...	...	...
...	30.051	+22.387	-5	A	...	...	...	* 20.584	+29.464	1.00	43.	212	9.8	...	...	...	...
...	† 29.750	+36.883	1.00	...	...	...	...	21.860	+20.863	0.90	...	...	...	...	...	...	...
...	28.069	+4.340	-5	...	...	...	...	23.520	+20.207	0.75	...	...	...	...	...	...	...
...	27.779	+19.653	0.85	...	...	...	...	24.189	-55.017	-5	...	...	...	...	...	...	...
4I							9I						...					
...	-27.513	-41.628	-1	...	...	...	...	+25.989	+5.813	0.90	...	...	...	...	...	...	...
...	27.176	-51.203	0.95	...	...	...	...	28.121	-17.912	-2	...	...	...	...	...	...	...
...	26.359	-56.481	1.00	...	...	...	...	* 29.336	+9.307	1.00	...	...	...	...	...	...	...
...	22.407	-53.997	-5	...	...	...	...	S† 29.522	+19.895	2.70	43.	213	7.4	...	...	...	...
...	22.155	+24.796	0.70	...	...	...	...	32.253	-23.799	0.85	...	...	...	...	...	...	...
S*	-20.470	-12.717	1.50	44.	228	9.2	...	+32.651	+51.809	0.95	...	...	...	...	...	...	...
...	20.167	+27.477	0.85	...	...	...	...	S* 33.034	+3.436	1.25	44.	232	8.9	...	...	...	...
...	* 19.551	+53.617	1.00	...	...	...	...	34.108	+0.720	-3	...	...	...	...	...	...	...
...	17.510	+5.117	0.85	...	...	...	...	37.326	+46.248	0.90	...	...	...	...	...	...	...
S*	13.356	+23.871	1.00	43.	207	10.0	...	37.561	+3.581	-5	...	...	...	...	...	...	...

L measured from 1, 48, 86.
 C " " " 24, 62, 102.

Notes.	Co-ordinates.		Diam. o. 80.	C.P.D.		Notes.	Co-ordinates.		Diam. o. 80.	C.P.D.		Notes.	Co-ordinates.		Diam. o. 80.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	-59°567	-57°113	1·10	...	...	61	-33°007	+43°532	-5	...	...	121	-7°099	+58°450	-3	...	...
...	59°525	-44°315	-1	...	...	...	32°978	-17°277	-5	...	...	...	7°008	+24°812	-5	...	...
...	59°209	+38°446	-3	...	...	...	32°284	+52°843	0·80	...	...	...	6°997	+38°439	-5	...	...
...	58°629	-0°645	-5	M	...	...	31°988	-9°452	-2	...	...	...	6°125	+40°743	0·65	...	...
†	58°565	-24°891	-3	...	...	...	30°344	-32°861	-5	...	...	...	6°048	-49°063	-4	...	...
...	-58°352	-36°956	-5	M	...	...	-30°144	+55°845	-4	...	...	...	-6°008	+16°536	-5	...	...
...	58°327	-3°962	1·05	...	...	...	29°140	-21°852	-1	...	...	...	5°623	-56°500	-5	M m	...
...	57°024	+39°736	-1	...	...	...	27°755	+32°530	-3	M	...	...	4°836	+10°314	-4	M m	...
S*	56°176	+33°463	3·00	43. 216	7·8	...	27°551	-51°865	-4	M	...	...	4°398	-37°339	0·80	...	...
...	56°062	+30°228	-5	M	...	...	27°267	-58°510	-4	...	...	...	4°394	-28°236	0·75	...	...
II						71						131					
†	-54°914	+22°060	-5	M	...	...	-26°322	+17°217	-2	...	...	...	-4°113	+41°118	0·95	...	...
*	54°764	+48°942	3·00	43. 217	9·0	...	24°144	-54°264	-4	...	...	...	3°948	+46°313	1·10	...	...
S†	54°168	-24°815	2·50	44. 234	8·6	*	24°120	-12°207	1·40	...	...	...	3°671	+5°807	-4	M m	...
*	54°096	+41°012	2·00	...	...	*	23°501	+23°054	1·40	...	...	*	2°621	+21°006	1·30	...	...
...	52°746	-30°192	-1	...	...	*	23°491	+30°329	1·05	...	...	*	1°969	-41°596	1·60	...	...
...	-52°290	-20°424	1·00	...	...	...	-23°423	-18°205	-5	M	...	...	-1°922	-21°100	-5	M m	...
...	52°274	-6°930	-5	M	...	...	23°184	+55°718	0·65	...	...	...	1°481	-28°396	-5	M m	...
...	52°113	-20°123	-5	M	...	...	22°362	-4°259	-4	M	...	*	0°620	+55°118	1·30	...	...
*	51°945	+50°696	1·15	...	...	*	22°334	-8°948	1·60	44. 236	10·0	...	0°406	-55°696	0·95	...	...
...	51°638	-0°782	0·65	...	...	a*	22°134	+0°187	1·90	44. 237	10·0	S*	-0°281	-28°875	2·60	44. 239	8·5
2I						81						141					
...	-51°412	+15°922	1·00	...	...	...	-21°736	+19°482	-5	M	...	...	+0°425	-15°210	0·95	...	...
...	50°134	-5°731	0·75	...	...	†	21°650	-54°872	-3	...	...	...	1°448	+16°248	-2	m	...
†	49°963	-39°885	-3	...	...	...	21°563	-56°095	-4	...	...	...	1°466	+9°195	-3	M m	...
...	49°343	+35°896	0·80	...	...	...	21°259	+45°743	-5	M	...	...	1°611	-24°290	-4	M	...
...	47°838	-47°826	-4	...	...	...	21°239	+55°868	0·80	...	...	...	1°983	+21°460	-2	M m	...
...	-47°789	-36°193	0·90	...	...	...	-20°773	+22°039	-2	M	...	...	+2°507	-51°441	-5	...	...
*	47°738	+27°293	1·00	...	...	†	20°129	+37°207	-5	M	...	...	2°647	-0°624	0·95	...	...
...	47°714	-43°736	1·20	...	...	...	19°859	+19°062	0·70	A	...	...	* 2°926	-4°831	1·20	...	...
...	46°724	+16°338	0·80	...	...	...	19°172	-49°533	-1	...	...	...	3°025	-55°214	0·80	...	...
...	46°673	+30°277	-2	...	...	...	18°912	+36°551	-5	M	...	...	3°103	+46°447	0·95	...	...
3I						91						151					
*	-46°035	-53°156	1·90	...	...	...	-18°647	-7°668	-4	...	...	...	+3°591	+19°050	-5	M m	...
...	45°239	-21°517	-3	...	...	...	17°126	+45°800	-4	M	...	m*	3°928	+0°784	4·00	44. 240	7·8
...	44°859	+55°065	1·00	...	...	...	17°106	+0°722	-3	M	...	...	5°083	-57°595	-5	m	...
...	44°162	-50°159	-4	...	...	*	17°084	+15°835	1·10	...	...	...	7°079	-15°468	-1	...	...
S*	41°117	+8°822	1·20	...	...	*	16°393	-23°979	1·40	...	...	†	8°838	+44°834	-5	m	...
...	-39°865	+34°369	-3	M	...	...	-16°322	+30°952	-4	M	...	...	+8°933	+53°011	-5	m	...
...	39°115	-15°274	-5	M	...	...	16°170	+5°614	-1	...	...	...	9°345	-15°143	-5	m	...
...	39°015	+34°257	-3	M	...	...	16°052	+59°052	-5	M	...	...	9°734	+22°045	-4	m	...
*	38°045	+53°935	1·30	...	...	...	15°354	-31°060	-5	M	...	...	10°085	+30°534	0·90	...	...
...	37°584	-8°532	-5	M	...	...	15°282	+30°217	-3	M	...	S*	11°600	+32°354	2·00	43. 220	9·4
4I						101						161					
...	-37°476	-56°649	-5	...	...	...	-13°470	+12°869	-3	M	...	...	+11°731	+49°103	-3	m	...
...	37°325	-42°871	-5	M	...	...	12°881	+52°119	-5	M	...	...	12°159	+23°136	-5	m	...
*	37°140	+13°617	1·50	43. 218	10·0	...	12°456	+42°801	-5	M	...	...	12°863	-42°216	-5	...	...
...	36°903	-47°185	0·80	...	...	...	12°136	-37°125	-1	...	...	S*	12°918	+48°438	2·95	43. 221	8·2
...	36°878	-15°315	-4	...	...	...	11°757	+43°038	-3	M	...	...	13°080	+41°835	-1	m	...
...	-36°857	+23°571	-3	...	...	...	-11°644	-29°592	-1	...	...	†	+13°433	+19°933	1·00	...	...
*	36°839	+16°876	1·60	...	...	S*	11°264	+18°470	1·65	...	...	...	13°677	+15°177	-5	m	...
...	36°680	+27°382	0·80	...	...	...	10°599	-42°975	-5	M	...	*	13°937	-18°692	1·10	...	...
*	36°265	-42°808	1·40	...	...	...	10°533	+44°303	0·95	...	...	...	13°955	-41°588	0·90	...	...
...	36°020	-26°162	1·10	...	...	...	10°323	-35°147	-4	...	...	*	14°452	-42°463	0·95	...	...
5I						111						171					
...	-35°946	-37°308	-3	...	...	†	-10°171	-32°078	-5	M	...	*	+14°971	+1°794	1·10	...	...
...	35°809	+4°515	-5	M	...	...	9°936	+52°279	0·75	...	...	...	15°077	-34°466	-3	...	...
*	35°727	+53°520	1·40	...	...	S*	9°303	-5°353	2·60	44. 238	8·7	*	15°833	-57°984	2·00	45. 212	9·8
...	35°210	-29°075	-5	...	...	...	8°568	-29°794	-3	...	...	...	15°939	+9°307	-1	m	...
...	34°770	+6°384	1·00	...	...	...	8°336	+1°762	-3	M	...	...	16°502	-15°559	-5	m	...
S*	-34°022	-18°956	3·00	44. 235	7·8	...	-7°986	-45°977	0·90	...	...	...	+16°852	+45°952	-5	m	...
...	33°978	+47°732	-5	M	...	...	7°908	-58°208	-4	M	...	*	18°002	+34°320	1·30	...	...
*	33°916	+18°375	1·00	...	...	*	7°363	-48°171	1·60	...	...	...	18°310	+2°095	-3	m	...
...	33°866	-2°473	-4	...	...	...	7°357	+2°505	0·90	...	...	...	19°352	+15°237	-5	m	...
...	33°179	-23°409	1·00	...	...	...	7°184	+12°061	-4	...	...	...	19°426	-30°524	0·95	...	...

L measured from 1, 141.
MC ,, ,, 67, 208.

Notes.	Co-ordinates.		Diam. o·80.	C.P.D.		Notes.	Co-ordinates.		Diam. o·80.	C.P.D.		Notes.	Co-ordinates.		Diam. o·80.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
181-230						231-280						281-302								
181	...	...	...	...	...	231	...	...	...	...	...	281	...	...	...	...	...
...	+20·338	-20·156	-5	m	...	...	+34·519	+0·299	-4	m	...	...	+51·222	-5·882	-4	m	...		
...	20·651	-11·762	-5	...	...	...	34·605	-44·596	-2	...	...	...	* 51·594	+25·995	1·90	43. 227	10·0		
...	20·807	-38·074	-5	m	...	...	34·630	-31·502	0·70	...	...	...	...	51·616	+42·522	0·85	...	...
...	21·129	+49·102	-5	m	...	...	35·273	+50·231	0·95	...	...	...	...	* 51·861	+2·691	1·70	44. 244	10·0	
...	21·234	-13·360	-5	m	...	...	* 36·336	-31·849	0·95	...	...	...	...	* 52·856	-28·593	2·00	44. 245	10·0	
...	+22·018	+6·803	-3	m	...	...	...	+36·439	-54·003	-3	...	...	...	...	+53·493	+9·653	1·00	...	...
...	22·251	+55·260	-5	m	...	...	...	36·876	-31·488	-5	m	...	...	...	53·948	-0·058	-5	m	...
...	22·614	+49·430	-3	m	...	...	...	37·095	-17·038	-4	m	...	...	...	53·958	-10·302	-3	...	...
...	22·887	-31·052	0·95	...	...	...	...	37·308	-56·332	-5	m	...	...	...	* 55·193	+38·773	1·80	43. 228	9·8
...	23·506	-37·286	-2	...	...	...	...	37·356	-15·437	0·80	...	...	...	...	* 55·712	-0·267	4·80	44. 246	6·3
191	...	...	...	...	...	241	...	...	...	...	...	291	...	...	...	...	...	...	...
...	+23·699	-3·893	-5	m	...	...	...	+37·839	-13·900	-4	...	...	...	+55·792	-42·755	-4	...	...	...
...	24·344	+49·120	0·80	...	...	...	* 39·309	+48·433	2·30	43. 224	8·9	...	...	...	56·007	+5·455	-4	m	...
...	24·997	-43·487	1·00	...	...	...	...	40·714	-38·832	-4	...	...	...	N † [56·025	+34·970	-2	...	...	...
...	25·172	+9·734	0·85	...	...	...	...	* 40·771	+36·224	1·20	...	...	...	...	50·042	+21·559	-2	m	...
...	* 25·211	-34·268	1·60	44. 241	10·0	...	...	...	41·232	-47·164	1·05	...	...	...	* 56·187	-1·533	1·20	...	...
...	+25·693	-7·959	0·90	* 41·314	+36·191	1·00	+56·630	-34·148	-5	m	...
...	26·316	+59·507	-5	m	41·383	-30·083	-5	m	56·706	-13·993	-4	m	...
...	27·078	+8·812	0·70	a	41·865	-15·873	-5	m	56·858	-26·414	-3
...	27·098	+26·183	1·05	* 41·873	-53·477	1·60	56·977	-16·234	-4	m	...
...	27·932	-24·152	0·70	42·156	-17·049	0·95	* 57·268	+5·231	1·20
201	...	...	...	...	...	251	...	...	...	...	...	301	...	...	...	...	...	...	...
...	+27·988	+49·741	1·00	...	...	...	...	+42·460	-13·977	-5	m	...	...	...	+57·297	+18·139	-2	m	...
...	28·319	+0·373	-3	m	42·607	-14·617	-1	59·254	+51·889	1·30
...	28·319	-20·127	0·70	...	...	...	...	43·067	+13·106	-5	m	...	...	...	...	...	...	...	...
...	* 28·455	+13·937	2·00	43. 222	9·6	...	...	43·396	-13·227	-5	m	...	...	...	...	...	...	...	...
...	28·609	-0·569	-4	m	...	...	...	S* 43·503	-50·020	2·10	44. 242	9·2	...	...	...	...	...	...	...
...	+28·944	+32·763	-5	m	...	...	...	...	+43·521	+17·614	1·10	...	...	...	...	...	...	...	...
...	29·146	-11·812	-5	m	...	...	...	...	† 44·782	-21·317	1·15	...	...	...	...	...	...	...	...
...	30·306	+55·437	-2	m	...	...	...	...	...	45·201	+2·712	-4	m	...	...	...	...	...	...
...	* 30·714	+37·474	1·20	...	...	...	...	...	...	* 45·520	-1·533	1·15	...	...	...	...	...	...	...
...	30·975	-34·657	-3	...	...	...	...	...	...	45·651	+32·749	-5	m	...	...	...	...	...	...
211	...	...	...	...	...	261	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+31·296	+53·673	1·00	...	...	...	...	+46·545	-9·576	0·70	...	...	...	...	...	...	...	...	...
...	31·546	-43·757	-3	...	...	...	...	46·587	-29·420	-1	...	...	...	...	...	...	...	...	...
...	31·753	-43·556	-5	m	...	...	...	46·857	+23·169	-5	m	...	...	...	...	...	...	...	...
...	31·827	-41·747	-5	m	...	...	...	* 47·819	-28·285	1·40	...	...	...	...	...	...	...	...	...
...	31·930	+4·272	-4	m	...	...	...	...	48·025	-24·000	-4	m	...	...	...	...	...	...	...
...	+32·281	-19·461	-5	m	...	...	...	...	+48·459	+58·197	-2	...	...	...	...	...	...	...	...
...	32·716	+43·649	-3	m	...	...	...	...	* 48·642	-41·016	1·30	...	...	...	...	...	...	...	...
...	32·979	+8·414	-3	m	...	...	...	...	* 49·310	-21·775	1·15	...	...	...	...	...	...	...	...
...	33·023	+32·765	-2	m	...	...	...	...	...	49·392	-55·974	-5	m	...	...	...	...	...	...
...	* 33·098	-15·264	1·30	...	...	...	...	...	...	* 49·576	-50·432	1·40	...	...	...	...	...	...	...
221	...	...	...	...	...	271	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+33·154	+27·229	-4	m	...	...	...	...	...	† 49·825	+31·490	0·75	...	...	...	...	...	...	...
...	33·248	-26·816	-1	...	...	...	...	...	...	* 49·855	-16·962	1·80	44. 243	10·0	...	...	...	...	...
...	33·257	-30·535	1·00	...	...	...	...	...	...	* 50·175	-58·328	2·90	45. 216	8·8	...	...	...	...	...
...	33·479	-30·669	-4	m	...	...	...	...	...	S* 50·183	+15·182	2·40	43. 225	8·8	...	...	...	...	...
...	* 33·558	+46·438	1·80	43. 223	10·0	...	...	...	...	...	50·412	+16·548	-5	m	...	...	...	...	...
...	* 33·811	-13·171	1·60	...	...	...	...	...	...	...	+50·492	+15·454	-5	m	...	...	...	...	...
...	33·844	+4·784	-4	...	...	...	...	...	...	...	* 50·847	+39·556	1·70	43. 226	10·0	...	...	...	...
...	* 33·901	+46·941	1·30	...	...	...	...	...	...	...	...	50·910	-11·366	1·10	...	...	...	...	...
...	34·369	-59·225	-5	...	...	...	...	...	...	...	...	50·936	+9·353	0·85	a	...	...	...	...
...	* 34·463	+57·800	1·20	...	...	...	...	...	...	...	...	50·990	+39·688	-4	m	...	...	...	...

293. Mass. 43°·13, brighter star.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
	1-30						31-60						61-81				
I	-59.262	-28.456	-4	...	...	31	-24.842	-2.928	1.40	44. 249	9.0	61	+14.442	+44.116	0.65	...	...
...	58.271	+39.448	-3	43. 226	10.0	†	24.025	+45.039	-5	...	...	S*	17.409	-8.366	1.95	44. 256	8.5
S*	58.186	+15.060	1.20	43. 225	8.8	S*	22.725	+3.383	1.13	44. 250	9.1	...	20.562	-6.707	-4	...	...
...	57.548	-17.066	-1	44. 243	10.0	...	21.841	-25.377	-5	...	...	...	22.220	+21.259	-2	...	...
...	57.117	+25.922	0.65	43. 227	10.0	...	21.260	+59.617	-1	43. 234	10.0	...	23.309	-20.161	0.80	44. 257	10.0
...	-56.151	+2.629	0.65	44. 244	10.0	...	-21.070	+36.648	-5	...	...	...	+24.004	+6.349	0.85	44. 258	10.0
...	55.968	-58.405	1.30	45. 216	8.8	...	19.964	-41.986	-5	...	...	...	25.721	-4.883	0.80	44. 259	10.0
...	54.211	-28.610	-1	44. 245	10.0	S*	18.151	+34.149	1.20	43. 235	9.0	S*	27.454	+16.403	2.50	43. 238	8.0
...	53.911	+38.802	-1	43. 228	9.8	*	16.158	-50.271	1.50	44. 251	8.6	†	27.857	+35.091	1.80	43. 239	8.6
†	52.199	+0.311	4.00	44. 246	6.3	...	15.566	+48.992	-5	...	...	S*	29.157	+36.394	1.95	43. 240	8.4
II						41						71					
...	-51.701	-1.452	-4	...	...	...	-13.165	-59.153	-5	...	...	...	+29.642	-27.451	-2	...	...
...	50.818	+5.329	-5	...	...	S*	12.184	-57.499	2.90	45. 222	7.8	...	38.828	+9.072	-3	...	...
...	50.234	+52.049	-5	...	...	...	11.739	+27.453	-4	...	...	...	38.991	-58.768	-5	...	...
...	48.211	+33.905	1.00	43. 229	9.4	...	10.304	+10.582	-4	...	...	...	40.927	+13.424	-1	...	...
...	47.093	+4.853	-3	...	...	...	8.791	+4.811	-4	...	...	...	45.247	+24.834	-4	...	...
...	-46.473	-11.368	-5	...	...	...	-6.400	-29.142	-4	...	...	S*	+46.452	-24.424	1.50	44. 260	8.8
...	43.572	+28.340	-3	...	...	S*	-0.406	-44.301	1.20	44. 252	9.0	...	46.500	+15.290	-1	...	...
...	42.228	+29.396	-5	...	...	...	+0.462	-58.137	-4	...	...	...	50.658	-12.454	-1	...	...
...	42.034	+49.261	-5	...	...	...	1.126	-32.921	0.95	44. 253	9.8	...	51.312	-52.377	-5	...	...
S*	41.962	-17.501	3.50	44. 247	6.7	...	1.841	+23.007	0.95	43. 236	9.8	...	53.606	+29.646	-4	...	...
21						51						81					
...	-39.514	-11.598	-5	...	...	...	+4.418	-47.897	-1	...	...	...	+56.867	+24.103	-3	...	...
...	39.093	+37.651	-1	43. 230	10.0	...	4.581	-49.910	-3	44. 254	10.0	...					
...	34.562	-55.483	-2	45. 218	10.0	S*	6.494	+34.046	1.05	43. 237	9.4	...					
...	32.814	-16.834	1.40	44. 248	8.8	...	6.733	+32.469	-2	...	...	...		
...	32.074	-23.268	-5	...	...	...	6.770	+44.862	-3	...	...	...		
...	-31.432	+46.540	1.00	43. 233	9.6	...	+8.826	+25.234	-5	...	...	...		
...	29.140	+56.193	-2	...	...	*	11.112	-1.281	1.60	44. 255	8.8	...					
...	27.984	+33.745	-5	...	...	...	12.518	-24.300	-4	...	...	...		
...	26.814	-31.469	-5	...	...	...	13.075	+22.051	-5	...	...	...		
...	25.945	-34.948	-3	...	...	...	14.180	-31.651	-1	...	...	...		

L measured from 1, MC ,, ,, 48.

31. Mass. 45° 13, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
	1-20						21-40						41-60				
I	-58.514	+33.955	-5	...	...	21	-43.957	-35.079	-3	...	...	41	-30.268	+49.822	0.65	...	...
...	58.026	-12.568	-5	...	...	...	43.733	-58.240	-5	...	...	...	30.114	-23.391	-5	...	...
...	56.890	-12.541	0.95	...	...	...	43.446	-19.471	1.00	...	...	...	29.650	+33.127	-4	...	...
...	56.411	-13.894	-3	...	...	...	43.154	-9.451	-3	...	...	...	27.582	+30.384	0.70	...	...
...	55.220	+29.631	-1	...	...	*	42.961	+57.160	1.90	43. 243	9.6	*	25.958	-42.198	1.00	44. 264	10.0
...	-55.033	-52.430	-1	...	...	...	-42.717	+10.923	-3	...	...	...	-24.404	-47.544	0.90	...	...
...	54.445	+31.544	-2	...	...	...	41.744	-14.476	-5	...	...	...	24.185	-29.568	-3	...	...
...	53.605	-26.469	-5	...	...	*	40.044	-22.276	1.00	44. 262	10.0	...	24.112	-52.542	-3	...	...
...	52.215	+21.157	-5	...	...	...	38.594	+42.882	-5	M	...	...	23.157	-22.751	-3	...	...
...	51.780	+24.203	0.95	...	...	...	38.535	+1.727	0.70	...	...	*	21.950	-59.385	1.40	45. 233	9.6
II						31						51					
...	-51.715	-1.390	-5	...	...	...	-38.309	-33.587	-4	...	...	S*	-19.756	+33.991	1.60	43. 245	8.8
...	51.706	-36.542	-5	...	...	...	38.257	+28.456	-4	...	...	...	19.704	+42.920	-5	M	...
...	51.571	-43.611	-1	...	...	S*	37.913	-31.242	2.00	44. 263	8.0	...	19.131	+5.709	-3	M	...
...	50.420	-8.487	-5	...	...	...	37.552	-25.597	-5	M	...	S*	18.712	+20.531	3.55	43. 246	7.0
...	49.176	+7.851	-4	M	...	...	37.317	+52.453	-4	...	...	S*	18.525	-4.199	1.40	44. 265	8.8
...	-47.791	+22.625	0.75	...	...	*	-37.012	+13.823	1.00	...	...	*	-17.621	+40.372	1.60	43. 247	8.8
...	46.749	+57.336	-1	43. 242	10.0	*	35.694	+9.207	1.05	...	...	...	17.262	-16.218	0.75	...	...
...	46.708	+30.979	-5	...	...	...	35.105	-33.219	0.75	...	...	...	16.992	+15.571	-5	M	...
...	45.207	+41.315	1.00	...	...	...	33.297	+32.623	-5	M	...	*	16.858	+2.413	1.20	44. 266	9.4
*	44.998	-17.327	1.00	44. 261	9.8	...	33.144	-43.996	0.95	...	...	...	16.201	-15.780	0.65	...	...

L measured from 1, 79. MC ,, ,, 43, 123.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-100						101-140						141-161					
61	-15.729	-22.871	-3	...	...	101	+10.340	-31.641	0.90	44. 271	10.0	141	+42.401	-33.986	0.70	...	...
...	13.932	-26.230	0.75	...	...	...	10.828	-38.024	0.70	b	...	...	42.719	+44.116	0.95	43. 256	10.0
...	13.341	-12.321	-5	...	...	S*	11.187	+40.503	1.20	43. 251	9.2	...	48.256	-26.558	0.65	e	...
...	13.179	-44.274	-4	...	...	...	13.459	+53.418	-1	...	...	...	48.747	-2.934	-1	e	...
...	12.154	-13.544	0.80	...	...	...	15.314	+3.303	-3	...	...	*	50.389	-21.994	1.00	...	...
...	-11.519	-42.769	-4	...	...	...	+17.354	-48.707	0.95	...	...	...	+50.736	+9.131	-5	m	...
...	11.291	+15.553	-5	M	...	...	17.660	-35.562	-5	m	...	...	50.784	-46.759	-3	e	...
...	10.441	+13.594	-5	M	...	...	19.213	-24.706	-2	a	...	S*	50.834	-40.910	1.50	44. 277	9.0
...	9.772	+43.936	-3	...	...	...	20.649	+42.849	-5	m	...	...	51.846	-40.705	-4	m	...
...	9.636	+17.078	0.80	...	...	...	21.259	-25.534	0.65	a	...	...	52.306	+8.553	0.70	...	...
71	-8.860	+42.529	0.95	...	...	111	+22.146	-52.756	-3	m	...	151	+52.398	-13.052	-4	e	...
...	7.660	+19.758	-4	M	...	...	23.866	-36.151	-3	m	...	...	52.939	+50.215	-1	...	...
†	6.850	-25.278	0.90	44. 267	10.0	...	24.147	+52.548	1.00	...	...	*	53.396	-14.914	1.00	44. 278	10.0
...	6.247	-24.914	0.80	...	...	...	25.339	+25.973	0.95	...	...	*	53.542	-49.403	1.60	44. 280	9.4
...	4.175	-50.351	-5	m	...	...	27.277	+11.314	0.95	...	...	S*	53.656	-34.110	1.50	44. 279	9.2
...	-3.426	-10.702	1.00	...	...	...	+27.283	-48.528	1.20	44. 272	9.8	*	+56.418	-23.744	1.10	43. 257	10.0
...	1.202	+53.981	1.00	43. 248	10.0	...	27.391	-8.688	-5	m	...	...	57.331	-8.449	-5	e	...
...	-0.629	+1.050	-4	M m	...	...	27.678	+31.769	1.00	43. 253	10.0	...	57.530	-15.518	-5	m	...
...	+0.317	+36.845	-4	...	...	...	27.928	-13.311	-5	m	...	...	57.588	-15.403	-2	e	...
*	0.878	+46.663	1.00	43. 249	10.0	...	28.994	-42.733	-2	b	...	...	58.288	-13.729	0.75	...	...
81	+1.308	-19.855	0.95	...	...	121	+29.333	+1.021	0.95	...	...	161	+58.764	-36.879	0.75	...	...
...	2.041	-22.491	0.85	...	...	...	29.420	-29.122	1.00	...	...	...	...	...	...	...	...
...	2.594	-19.614	-5	m	...	...	30.339	+7.535	-4	m	...	...	...	...	...	...	...
...	2.692	+17.957	-5	M m	...	...	30.661	+26.092	-4	...	...	...	...	...	...	...	...
...	3.975	-21.394	-5	m	...	S*	30.663	+11.829	1.30	43. 254	9.4	...	...	...	...	...	...
...	+3.981	+17.925	-5	M m	...	...	+31.192	-13.770	-5	m	...	...	...	...	...	...	...
...	4.104	-1.124	-5	m	...	...	31.593	+36.898	0.65	...	...	...	...	...	...	...	...
*	4.520	-50.489	1.00	44. 268	9.8	*	32.612	+22.321	1.15	43. 255	10.0	...	...	...	...	...	...
...	4.614	+11.441	-5	M m	...	*	33.650	-33.398	1.20	44. 273	9.8	...	...	...	...	...	...
...	4.704	+12.524	-5	M m	...	...	34.069	+57.120	-3	...	...	...	...	...	...	...	...
91	+4.749	+36.634	1.00	43. 250	10.0	131	+34.233	-39.980	0.90	44. 274	10.0	...	...	...	...	...	...
†	4.898	+7.685	-5	M m	...	...	34.423	+31.141	-4	m	...	...	...	...	...	...	...
...	5.398	+22.471	0.95	...	...	...	34.682	+14.106	-4	m	...	...	...	...	...	...	...
S*	5.556	-46.824	1.90	44. 269	8.6	...	35.914	-52.176	-5	m	...	...	...	...	...	...	...
...	6.362	+27.784	0.85	...	...	...	36.249	-7.733	-5	m	...	...	...	...	...	...	...
...	+7.556	-15.113	-5	m	...	...	+36.548	+22.956	0.90	...	...	...	...	...	...	...	...
...	7.802	-14.306	-1	a	...	*	39.712	+1.194	1.00	44. 275	10.0	...	...	...	...	...	...
*	8.723	-31.588	1.00	44. 270	10.0	...	40.629	+35.931	-3	...	...	...	...	...	...	...	...
...	8.741	-28.543	-5	m	...	...	41.112	+49.097	-5	...	...	...	...	...	...	...	...
...	9.889	+36.161	-4	...	...	*	41.689	-32.425	1.40	44. 276	9.4	...	...	...	...	...	...

1-10						11-20						21-30					
1	-59.090	-3.084	-5	E	...	11	-52.885	-49.390	1.05	44. 280	9.4	21	-42.905	-1.354	-5	M	...
...	58.869	-26.718	-5	E	...	*	52.224	+23.815	1.00	43. 257	10.0	...	42.608	+13.951	0.95	43. 261	10.0
...	56.860	-22.092	0.95	...	...	...	50.333	-8.335	-5	E	...	...	42.421	+23.130	0.75	...	...
...	56.485	+50.165	-2	...	...	†	49.865	-15.277	-4	E	...	...	42.161	-52.034	-5	...	...
...	55.884	+8.509	0.65	...	...	...	49.231	-13.577	0.75	...	...	...	40.855	-10.312	-2	...	...
S*	-55.837	-40.989	1.55	44. 277	9.0	...	-48.059	-36.708	-1	...	...	...	-40.570	+18.327	-3	...	...
...	55.713	-46.828	-5	E	...	S*	47.641	+36.774	1.00	43. 258	9.4	...	40.504	6.871	-5	M	...
...	55.140	-13.085	-5	E	...	...	46.226	+52.174	-1	...	...	...	40.244	-11.167	-5	M	...
†	54.091	-14.904	0.95	44. 278	10.0	...	43.609	-45.453	-5	M	...	S*	40.055	+18.389	1.70	43. 262	8.0
S*	53.227	-34.091	1.15	44. 279	9.2	*	43.235	+42.999	1.00	43. 260	10.0	†	39.998	+18.650	0.70	...	...

L measured from 1.00.
MC 45.122.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	<i>x.</i>	<i>y.</i>		No.	Mag.		<i>x.</i>	<i>y.</i>		No.	Mag.		<i>x.</i>	<i>y.</i>		No.	Mag.			
31-80						81-130						131-170								
31	-39°256	+59°663	-3	...	...	81	-6°524	+5°039	-5	°M	...	131	+35°055	-28°341	-2	°	...			
...	39°191	-25°462	-5	M	...	...	5°318	-1°125	-3	Dd	...	S*	35°630	+35°970	1°70	43.	273	8·3		
...	38°122	-11°187	-5	M	...	...	4°566	-27°709	-4	Mm	...	...	37°100	+11°667	0°65	...	...	...
...	36°162	+15°522	-4	...	...	...	3°014	-20°258	-5	Mm	...	*	37°828	-0°470	1°10	44.	289	9·8		
...	36°072	+31°084	0°65	...	...	...	2°864	-34°377	-2	Bm	...	...	39°906	-18°922	-5	m	...	...
*	-35°504	-9°176	0°95	44.	281	10°0	...	-2°630	-44°648	-3	Dd	...	...	+40°162	-16°611	-4	m	...	...
...	35°257	-45°444	-4	B	...	...	...	1°466	+16°740	-2	...	...	...	40°405	-30°432	-1	...	...	...
...	34°514	+12°208	0°65	...	...	*	...	1°095	-43°689	0°90	...	...	...	40°993	+59°282	0°80	43.	274	10°0	
...	34°471	+38°172	0°90	...	...	...	...	-0°276	+39°963	-2	m	...	...	41°800	+32°006	-5	...	...	...
*	34°304	-10°699	0°95	44.	282	10°0	...	+2°142	+18°394	-4	...	...	*	41°999	-6°724	1°40	44.	290	8·6	
41	-32°981	-10°562	-5	M	...	91	...	+2°377	-32°741	-3	Bm	...	141	+42°006	+19°569	1°85	43.	275	8·4	
...	31°245	-4°607	-5	M	...	...	...	2°378	-37°135	-4	Mm	...	*	42°890	-0°526	1°15	44.	291	9·6	
S*	30°774	-53°440	1°00	45.	244	9·6	...	3°029	+23°517	0°75	...	...	†	43°196	+4°898	1°00	44.	292	9·8	
...	30°653	+23°626	-4	M	...	...	...	3°507	+28°663	-5	Mm	...	*	44°230	+32°513	1°20	43.	276	9·8	
...	29°687	+55°811	-5	...	...	*	...	3°968	+32°023	0°95	...	...	*	44°492	-19°646	1°60	44.	293	8·7	
...	-28°912	-32°622	-5	M	...	...	...	+4°142	-55°726	-5	Mm	...	†	+44°644	+39°831	0°75	...	...	...
S*	28°316	-1°969	1°05	44.	283	9·1	...	5°971	+52°671	1°00	43.	266	10°0	...	45°194	-20°097	-3	c	...	...
...	27°178	+33°079	-5	M	...	*	...	6°109	+35°232	1°10	43.	267	9°0	...	45°624	-19°159	-5	m	...	...
*	26°449	-32°363	0°85	...	...	...	...	6°140	+35°370	-2	...	...	...	...	45°822	+33°141	-4	m	...	...
...	26°329	-25°713	-5	M	...	S*	6°156	-13°605	1°05	44.	285	8·8	...	...	47°552	+5°322	-2	...	...	...
51	-25°750	-9°428	-4	M	...	101	...	+7°902	-57°112	-5	m	...	...	151	+48°214	+23°638	-3	...	...	...
...	25°096	-0°970	-5	M	...	...	...	9°163	-14°807	-5	m	...	...	...	48°234	-19°291	-4	m	...	...
...	24°696	+13°183	-4	...	...	...	...	10°983	+8°187	0°75	...	...	...	...	48°304	+6°530	-3	...	...	...
*	24°509	-48°324	1°05	44.	284	9·8	...	12°458	+5°134	-4	...	...	...	...	48°882	-40°188	-3	e	...	...
...	24°421	-58°221	-3	...	...	...	...	13°459	-39°569	0°65	a	...	...	...	49°088	+13°277	0°65	...	...	...
...	-24°157	+3°656	-1	...	...	...	...	+14°292	+40°970	-2	...	...	...	...	+50°048	-36°215	-5	e	...	...
...	24°139	+56°204	-5	...	...	...	...	15°242	+47°008	-5	...	...	...	...	50°288	-7°680	-3	e	...	...
...	23°413	-40°906	0°75	...	...	...	...	17°150	+38°355	-5	...	...	...	...	51°198	+46°120	1°00	...	...	...
*	22°976	-5°169	0°90	...	...	...	...	17°430	-17°657	0°70	...	...	...	...	51°593	-13°497	-4	e	...	...
...	22°271	+42°197	-3	...	...	...	...	20°821	+25°257	-4	...	...	...	...	52°494	+7°095	0°80	...	...	...
61	-20°917	+19°577	-1	...	...	111	...	+21°015	-3°689	-4	m	...	...	161	+53°363	+3°685	-4	...	...	...
S*	20°399	+17°520	1°00	43.	264	9·4	...	21°378	+32°924	-4	...	...	S*	53°403	-35°595	1°90	44.	294	8·4	
...	20°198	+41°496	-1	...	...	...	...	21°490	-18°402	-3	b	...	...	...	54°586	-15°710	-3	e	...	...
...	19°814	-13°101	-4	M	...	*	...	21°504	+45°350	1°30	43.	269	8·8	...	55°795	-56°754	-4	...	...	...
...	18°466	+48°160	-3	D	...	*	...	23°891	+31°409	1°00	43.	270	9·4	...	57°837	+32°881	-5	...	...	...
...	-17°689	+2°342	-4	M	...	...	...	+25°233	-9°023	0°65	a	...	...	...	+58°116	+45°894	-5	...	...	...
...	15°811	+32°216	-5	M	...	*	...	25°357	-1°978	0°95	44.	286	10°0	...	58°341	+33°327	-5	...	...	...
...	13°504	-12°383	-4	M	...	...	...	25°738	-23°237	-3	b	...	...	...	58°835	+5°787	-4	...	...	...
...	13°164	-49°011	-4	B	...	†	...	28°003	+54°897	1°00	43.	271	10°0	S*	59°369	-14°411	2°05	44.	295	7·9
...	12°795	+42°705	-3	...	...	...	...	29°127	-54°414	-5	m	...	...	...	59°624	+26°139	-4	...	...	...
71	-12°520	+40°241	-4	...	...	121	...	+29°383	+30°763	-4	...	...	...	...	...	...	...	...	...	...
...	12°502	-48°303	0°65	...	...	...	...	30°065	+17°950	-5	...	...	...	...	...	...	...	...	...	...
...	12°229	+28°602	-3	...	...	S*	...	30°671	+16°837	1°10	43.	272	9·1	...	...	...	...	...	...	...
...	11°928	-31°095	-3	B	...	...	...	31°345	+13°820	0°75	...	...	...	...	...	...	...	...	...	...
...	11°623	-18°703	-3	D	...	...	...	31°518	-46°646	-1	...	...	...	...	...	...	...	...	...	...
...	-10°536	-49°700	-3	B	...	*	...	+31°593	+1°129	1°20	44.	287	9·4	...	...	...	...	...	...	...
†	9°981	+23°117	-4	M	...	*	...	32°263	-23°155	0°95	44.	288	10°0	...	...	...	...	...	...	...
...	9°730	+16°923	-5	M	...	*	...	33°136	+23°058	0°85	...	...	...	...	...	...	...	...	...	...
*	9°414	+17°994	0°85	...	...	...	...	33°190	+8°016	-5	m	...	...	...	...	...	...	...	...	...
...	6°903	-37°057	-4	M	...	...	...	33°708	-20°424	-5	m	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-60						61-120						121-143						
1	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-59·836	+ 6·364	- 3	...	...	...	-17·262	-44·578	- 4	M	...	...	+ 42·231	+ 9·473	- 5	...	...
...	59·244	+13·127	- 1	...	...	S *	16·011	-54·329	1·15	45. 268	9·0	...	...	42·541	+14·188	- 1	...	
...	58·148	+46·030	0·90	...	...	...	15·489	+30·177	- 2	...	...	...	...	44·011	-15·102	- 5	m	
...	57·825	-40·331	- 3	E	...	...	15·090	-52·766	- 3	...	...	...	...	44·178	+ 53·367	0·75	...	
...	57·419	- 7·792	- 3	E	...	...	14·887	-36·202	- 3	...	...	...	...	46·004	+ 38·424	- 2	...	
...	-56·780	-36·308	- 4	E	...	...	-14·328	- 4·917	- 5	M	...	...	...	+ 46·229	+ 8·953	- 4	...	
...	56·547	-51·580	- 5	M	...	...	13·846	-30·148	- 2	...	...	...	...	46·350	40·228	- 2	...	
...	55·935	-13·546	- 4	E	...	...	13·806	-57·682	- 4	M	...	...	...	47·982	+ 52·115	0·70	...	
...	55·659	+ 7·048	0·75	...	...	...	12·122	+50·970	- 5	...	...	...	...	48·121	- 22·010	- 5	...	
...	54·685	+ 3·670	- 3	...	...	...	11·653	+51·254	- 2	...	...	S *	48·549	0·059	1·40	44. 300	8·7	
11	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
S *	-53·438	-35·592	1·70	44. 294	8·4	...	-11·135	-55·372	- 3	...	...	...	-49·341	+ 46·819	- 2	...	...
...	52·878	-15·682	- 4	E	...	...	11·095	-50·742	- 5	M	...	...	...	50·106	+ 59·713	- 3	...	...
...	51·748	+48·231	- 5	...	...	...	10·793	-28·096	- 2	...	...	S *	51·294	+48·650	0·90	44. 301	9·8	
...	51·208	+46·009	- 3	...	...	...	9·409	+38·592	- 5	...	...	...	...	51·503	+36·720	- 3	...	...
...	51·099	+32·986	- 5	...	...	...	9·145	+41·138	- 4	...	...	...	...	51·734	+17·034	- 5	...	...
...	-50·606	+33·460	- 4	...	...	...	- 8·986	-27·001	- 5	M	...	...	...	+ 51·956	+ 7·594	0·65	...	...
...	50·410	-56·660	- 1	...	...	...	4·978	+54·208	0·70	...	...	...	...	53·697	-48·847	- 5	e	...
...	49·281	+ 5·935	- 4	...	...	...	- 2·351	-59·632	- 4	M m	...	...	...	+ 54·720	+ 5·355	- 2	e	...
...	49·169	+33·870	- 3	...	...	...	+ 0·243	+27·650	- 2	...	...	S *	55·357	-18·868	1·43	44. 302	8·4	
...	49·103	+26·306	- 2	...	...	S *	0·867	+44·372	1·45	43. 282	8·6	*	57·839	-20·044	1·00	44. 303	9·8	
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
S *	-48·118	-14·232	1·85	44. 295	7·9	*	+ 1·233	-57·666	1·00	45. 272	9·8	...	+ 58·374	-34·390	0·85	44. 304	9·8	
...	47·578	+29·596	- 5	...	...	*	1·460	+47·071	1·20	43. 283	8·7	...	...	59·234	- 50·943	- 5	m	...
...	47·129	+41·503	- 5	...	...	...	2·265	+36·628	- 5	...	...	...	...	59·460	- 53·724	- 4	...	...
...	46·216	-52·147	- 5	M	...	...	4·082	+29·752	- 3	...	...	...	...	...	...	...	...	...
...	46·068	-37·316	- 4	M	...	...	4·493	-45·136	- 4	M m	...	...	...	...	...	...	...	...
...	-45·344	- 5·306	- 1	...	...	†	+ 4·634	+17·657	- 5	...	...	...	...	...	...	...	...	...
S *	43·791	+40·470	4·60	43. 277	5·7	...	11·213	-45·983	- 1	...	...	...	...	...	...	...	...	...
...	42·766	- 3·867	- 2	...	...	...	12·548	+56·441	- 4	...	...	...	...	...	...	...	...	...
...	42·567	- 9·148	- 3	B	...	...	13·135	+35·594	- 4	...	...	...	...	...	...	...	...	...
...	41·828	-16·008	0·90	...	...	...	13·886	+44·239	- 4	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	91	...	...	...	...	...	...	...	...	...	...	...	...
†	-41·605	-54·916	1·10	45. 266	9·0	S *	+15·235	+ 4·627	1·05	44. 298	9·2	...	...	...	...	...	...	...
...	41·255	+42·348	- 3	...	...	*	16·631	+20·089	0·90	43. 284	9·6	...	...	...	...	...	...	...
...	40·669	-18·505	- 5	M	...	...	18·148	-40·052	- 1	...	...	...	...	...	...	...	...	...
*	39·740	- 8·170	0·90	44. 296	9·8	...	19·267	+31·208	- 1	...	...	...	...	...	...	...	...	...
...	38·081	- 2·132	0·65	...	...	S †	19·554	+44·502	2·75	43. 285	7·7	...	...	...	...	...	...	...
...	-37·690	-36·537	- 4	D	...	...	+20·001	+59·548	0·85	...	...	...	...	...	...	...	...	...
...	37·143	+46·057	- 5	...	...	...	20·576	-39·823	- 4	...	...	...	...	...	...	...	...	...
...	36·728	-27·756	0·80	...	...	...	20·946	+45·427	- 4	a	...	...	...	...	...	...	...	...
...	36·422	-57·417	- 4	D	...	...	21·103	+12·313	- 5	...	...	...	...	...	...	...	...	...
...	33·776	+ 9·002	0·90	43. 278	9·8	...	22·867	+20·987	- 3	...	...	...	...	...	...	...	...	...
41	...	...	...	...	...	101	...	...	...	...	...	...	...	...	...	...	...	...
...	-29·838	- 4·189	- 4	M	...	...	+23·648	+44·070	- 4	...	...	...	...	...	...	...	...	...
...	28·550	-32·835	- 5	M	...	...	24·141	+25·281	- 1	...	...	...	...	...	...	...	...	...
...	27·608	-59·256	0·65	...	...	...	24·805	-12·666	- 4	m	...	...	...	...	...	...	...	...
...	27·597	+12·294	- 4	...	...	...	24·841	+53·176	0·90	43. 286	9·8	...	...	...	...	...	...	...
...	26·957	-18·531	- 3	...	...	...	25·799	+54·421	- 4	...	...	...	...	...	...	...	...	...
...	-26·394	+ 4·051	- 2	...	...	*	+27·041	-10·277	1·00	44. 299	9·5	...	...	...	...	...	...	...
...	25·873	+56·680	- 2	...	...	...	27·240	+41·288	0·65	43. 287	9·8	...	...	...	...	...	...	...
...	24·809	+30·166	- 2	...	...	...	27·274	+ 4·289	- 4	...	...	...	...	...	...	...	...	...
...	24·447	+51·501	- 4	...	...	...	28·337	+52·690	- 1	...	...	...	...	...	...	...	...	...
S *	24·190	- 3·727	1·00	44. 297	9·6	...	29·471	+ 9·598	- 2	...	...	...	...	...	...	...	...	...
51	...	...	...	...	...	111	...	...	...	...	...	...	...	...	...	...	...	...
...	-23·705	+ 3·659	- 5	...	...	...	+ 30·044	-45·784	- 3	b	...	...	...	...	...	...	...	...
...	22·935	-44·231	- 2	...	...	...	30·953	+34·506	- 4	...	...	...	...	...	...	...	...	...
...	22·399	-54·795	- 5	M	...	...	32·449	+34·205	- 5	...	...	...	...	...	...	...	...	...
...	22·068	-50·614	- 4	M	...	*	32·768	+34·448	1·40	43. 288	8·5	...	...	...	...	...	...	...
...	21·401	- 7·376	- 2	...	...	...	34·564	-20·008	0·70	...	...	...	...	...	...	...	...	...
...	-21·220	+59·309	- 5	...	...	...	+35·091	+50·046	- 3	...	...	...	...	...	...	...	...	...
...	21·161	+30·944	- 5	...	...	...	36·373	-21·555	- 3	...	...	...	...	...	...	...	...	...
...	20·250	-10·207	- 3	...	...	...	36·578	+15·765	- 5	...	...	...	...	...	...	...	...	...
...	18·390	+35·618	- 4	...	...	...	41·057	+ 4·538	- 3	...	...	...	...	...	...	...	...	...
*	17·332	+57·216	1·10	43. 280	9·6	...	41·212	- 2·505	- 5	m	...	...	...	...	...	...	...	...

MC measured from 1. 79
ES 41. 111

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
	1-60						61-120						121-180					
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
SE*	-59.633	+59.561	-5	...	...	†	-17.050	-34.746	-4	M	...	...	+	15.662	+18.772	-3	...
...	59.361	-0.223	1.60	44.	300	8.7	...	16.811	-56.902	-4	M	...	...	17.518	-20.095	-1	...
...	57.544	+36.620	-3	...	...	*	15.200	-29.563	1.00	44.	308	9.2	...	17.672	+46.700	-2	...
...	56.716	+16.960	-5	...	...	†	15.023	-25.638	-4	M	...	...	...	17.986	+58.095	0.65	...
*	56.204	+7.530	0.90	...	...	*	13.670	-41.456	1.50	44.	309	8.6	...	18.123	-12.859	-4	m
S*	-55.165	-48.711	0.90	44.	301	9.8	...	-13.574	+45.993	0.75	...	...	...	+18.517	+42.952	-4	...
...	53.641	+58.023	-5	...	...	*	13.388	+55.203	1.30	43.	295	8.8	*	19.354	+16.245	0.85	...
...	52.751	-48.831	-5	E	...	...	13.004	+18.413	-5	...	...	...	...	19.524	-27.030	-4	m
S*	51.994	-18.813	1.60	44.	302	8.4	...	12.721	+42.003	-5	...	...	...	20.287	+51.254	-4	...
...	51.470	-57.292	-5	E	...	...	12.677	-34.123	0.65	B	...	...	...	20.724	+48.758	0.65	...
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-51.182	+11.084	-5	M	...	S*	-12.664	+36.985	1.45	43.	296	8.7	*	+20.936	+4.551	0.95	...	
*	49.473	-19.917	1.00	44.	303	9.8	...	12.190	+9.758	-5	M	...	*	21.348	+5.403	0.95	...	
...	49.222	+45.659	-5	...	...	...	12.156	-0.545	-3	D	...	...	...	21.901	+47.327	-5	...
...	49.080	+53.004	-5	...	...	...	11.864	-10.448	-3	B	...	...	...	22.033	+46.731	-3	...
...	49.006	+26.146	-3	...	...	...	11.258	+57.212	-5	...	...	...	...	22.497	+11.813	0.95	...
*	-48.515	-34.230	1.00	44.	304	9.8	*	-8.641	+18.107	0.95	43.	297	9.6	S*	+23.720	+20.466	1.10	43.
...	48.281	-0.018	-5	M	...	*	8.538	+4.117	1.00	44.	310	9.8	...	24.318	+12.925	-5	m	
...	47.974	-5.667	0.75	B	...	...	8.180	+11.896	-5	M	...	...	...	25.510	+8.235	-4	m
...	47.256	+15.202	0.70	...	...	...	7.778	-5.605	0.90	...	...	...	...	26.265	+18.757	-4	...
...	46.847	-53.525	-5	E	...	...	7.450	+15.284	-4	...	...	...	...	27.131	+53.448	-5	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-46.175	-23.542	-4	M	...	...	-7.299	-8.675	-5	M	...	...	...	+27.175	-9.916	-4	m
...	43.157	-16.186	-2	...	...	...	7.182	+25.683	-3	...	...	...	*	28.398	+7.936	1.00	...
...	41.827	-53.034	-2	...	...	*	6.396	-59.355	1.40	45.	287	9.1	...	29.454	+10.774	0.65	...
...	41.521	-15.408	-5	M	...	...	5.824	-7.296	-5	M	m	...	...	29.708	+43.029	-1	...
...	41.375	-12.716	-4	M	...	...	5.374	-52.344	-4	M	...	...	...	30.047	+18.450	-3	...
...	-38.327	+52.102	0.95	43.	289	9.8	...	-4.727	+23.005	0.65	...	...	...	+30.119	-0.017	0.75	a
N [	37.662	+45.174	-3	...	...	*	2.805	+55.100	1.20	43.	298	9.5	...	30.162	+7.984	-3	b
...	36.591	+23.741	-4	...	...	*	2.646	+56.510	1.20	43.	299	9.2	...	30.383	+32.958	-5	m
...	36.164	-19.119	-4	M	...	...	-1.874	-23.550	0.70	B	...	...	...	30.491	+24.649	-4	...
...	33.978	+34.306	-5	M	...	...	+0.248	+48.060	0.65	...	...	...	...	31.551	-22.353	0.65	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-33.579	+4.532	-4	...	...	...	+0.315	-6.793	0.65	B	...	...	...	+31.551	-31.272	-5	m
...	33.579	+3.227	-4	...	...	†	2.072	+5.174	-3	M	...	...	*	31.774	+46.506	0.95	43.
*	32.781	+1.976	1.00	44.	305	9.4	...	2.473	-15.703	-5	M	m	...	32.079	-52.226	-3	b	
...	32.698	+33.193	-3	...	...	...	2.810	+26.759	-4	M	...	...	*	32.521	-48.974	1.20	44.
S*	31.771	-29.323	1.95	44.	306	7.9	S*	3.354	-55.283	1.40	45.	289	8.8	...	32.548	-2.230	-5	m
*	-31.405	+43.280	0.95	43.	290	9.6	*	+4.137	-35.801	0.85	...	...	*	+32.632	-59.563	1.40	45.
...	31.161	+8.967	-5	M	...	...	4.773	+39.487	-3	m	...	...	†	33.011	+50.047	-4	...
...	31.090	-53.604	-5	M	...	...	5.376	-8.526	-3	M	a	...	*	33.039	+48.695	0.95	...
S*	30.443	+26.058	1.70	43.	291	8.7	*	5.895	+54.787	0.95	...	...	...	33.184	-16.260	-4	m
...	30.019	-14.286	-4	M	...	...	6.345	+56.141	-5	m	...	...	...	34.079	+4.555	-5	m
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-29.701	-58.636	-4	B	...	...	+7.293	+22.034	0.65	...	...	N*	+34.086	+50.349	1.10	43.	
...	29.588	-36.229	-5	M	...	...	7.496	-1.931	0.65	...	...	...	35.600	+21.250	-4	...	
...	28.992	-12.896	-5	M	...	...	7.795	+5.283	-4	a	...	...	...	36.103	+27.452	-4	...
...	28.979	+44.849	-4	...	...	*	8.633	+16.333	0.75	...	...	...	...	36.287	+53.860	-4	...
*	28.857	+30.638	1.00	43.	292	9.8	...	8.688	-47.066	-5	m	...	...	36.965	-43.012	-5	m
...	-27.977	+18.529	-5	...	...	*	+8.856	-33.063	1.15	44.	311	9.4	...	+37.203	-1.023	-5	m
...	27.769	-40.755	0.65	...	...	...	10.762	-33.435	-5	m	...	...	...	37.606	+38.756	-3	...
...	26.269	+51.276	-5	...	...	...	11.151	-41.800	-4	m	...	...	...	37.852	-16.911	-5	m
*	25.419	+45.284	1.90	43.	293	8.6	*	11.171	-17.155	0.75	...	...	...	38.397	+26.288	-5	m
...	25.104	+13.090	0.75	...	...	...	11.721	-11.464	-4	m	...	...	...	39.103	+5.545	-5	m
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-24.413	+54.369	-4	...	...	...	+12.430	-0.102	-4	m	...	...	...	+39.535	+13.973	-3	...
*	23.570	-57.407	1.05	45.	286	9.8	...	12.540	+21.140	-1	...	...	...	39.628	+58.714	-5	...
...	22.410	+50.654	-4	...	...	...	12.838	+49.004	-4	...	...	...	...	40.122	+43.503	-3	...
...	22.120	-54.948	-3	B	...	...	12.934	-21.595	0.70	...	...	...	...	40.132	+28.837	-5	m
...	21.559	-7.052	0.80	...	...	...	13.647	-28.820	-2	a	...	...	*	42.211	-20.243	1.00	...
...	-21.534	+25.992	0.65	...	...	*	+13.660	+10.462	1.15	43.	301	9.2	†	+42.954	-24.764	0.80	...
...	20.553	-23.611	-4	M	...	...	13.820	-11.013	-4	m	...	...	...	45.238	+2.424	-4	...
*	20.510	-20.841	1.00	44.	307	9.5	†	15.009	-35.405	-4	m	...	...	45.649	-17.485	-4	m
...	18.734	-21.559	-2	B	...	...	15.150	-30.348	-4	m	...	S*	46.486	+46.170	1.95	43.	
†	18.505	+34.975	1.00	43.	294	9.8	...	15.442	-37.474	-2	...	...	...	47.303	+6.902	-5	m

L measured from 1. MC " " 90.

27. Mass. 43° 17, two stars. 161. Mass. 43° 18, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-190						191-196											
181	+47·983	-39·693	1·00	44·	313	9·8	191	+57·622	-9·015	2·50	44·	316	7·6				
S †	48·604	-34·761	-3	e	...	...	S *	57·666	+25·967	1·30	43·	306	9·5				
...	49·733	-14·327	-3	...	...	...	...	57·989	+22·276	-4	...	...	...	
...	50·051	+4·590	0·80	...	...	...	...	58·059	+22·330	-4	...	...	...	
...	51·683	+50·740	1·05	...	...	...	...	58·298	-14·325	-4	m	...	...		
...	+52·532	-17·667	-5	m	...	...	...	+59·141	+27·897	1·10	...	...	...	
...	55·445	+32·341	-4	...	...	...								
...	56·359	-52·540	-1	44·	315	9·8											
...	56·370	-18·829	1·00	44·	314	9·8											
...	56·870	+26·733	-4	...	...	...								

1-40						41-80						81-120									
1	-58·729	-39·866	0·95	44·	313	9·8	41	-24·220	-36·054	0·65	44·	318	9·8	81	-22·478	59·230	3	...	...
S †	58·260	-34·905	-5	E	...	...	...	23·759	+52·043	-5	...	...	...	...	22·562	-41·943	4	...	...
...	58·008	+4·463	-2	...	...	...	...	21·406	+25·894	-1	43·	311	9·8	S *	22·816	-17·557	1·60	44·	326	
...	57·762	+50·640	0·70	...	...	...	...	20·409	-46·577	-2	...	...	...	...	26·095	-42·725	-5	...	...
...	53·457	+32·355	-5	...	...	...	...	20·265	+16·325	-5	...	...	...	...	28·325	13·940	-5	...	...
...	* -51·034	+26·060	1·00	43·	306	9·5	...	-19·264	-57·204	-1	...	...	...	...	+28·781	+5·576	-5	...	...
...	* 50·981	-18·752	0·90	44·	314	9·8	...	16·719	+16·598	-5	...	...	...	...	29·286	-50·983	-5	...	...
...	50·605	+22·384	-3	...	...	...	S *	16·350	-46·608	1·30	44·	319	8·7	...	31·032	+48·544	0·25	...	...
...	50·541	+22·442	-3	...	...	...	...	15·868	-15·934	-3	...	...	...	...	31·225	-34·458	-4	...	...
S †	50·006	-8·907	2·30	44·	316	7·6	...	14·935	-38·381	-3	...	...	...	...	33·358	+3·887	-2	...	...
11	...	...	...	...	...	...	51	...	...	...	...	...	...	91	...	...	...	...	...
...	-49·987	-52·450	0·80	44·	315	9·8	...	-12·647	-56·468	0·95	45·	302	9·8	...	* 33·762	-26·426	1·10	43·	318		
...	49·627	+28·031	0·85	...	...	...	...	9·996	+7·735	1·10	43·	313	9·2	...	...	34·928	-59·058	-5	...	...
...	46·064	-17·302	-2	...	...	...	...	9·845	-21·321	-2	...	...	...	...	...	35·075	-54·528	-5	...	...
...	* 45·665	-1·094	1·60	44·	317	8·3	...	8·744	+43·510	-1	...	...	...	...	...	35·472	-21·960	-5	...	...
...	45·590	-34·270	-5	A	...	...	...	8·525	-43·780	-5	...	...	...	...	...	35·500	+28·335	0·95	43·	319
...	-44·721	-41·602	-2	-7·806	+28·441	-5	36·394	-45·176	-5
...	43·750	+6·801	-5	...	...	...	S *	4·843	+25·278	1·00	43·	314	9·5	+	38·098	-44·856	1·00	43·	320	
...	43·502	-9·414	-5	...	...	...	...	4·440	+3·929	-5	...	...	...	+	38·174	-12·223	-2	...	...
...	40·971	+46·269	-3	...	...	...	...	3·684	+2·724	1·00	44·	320	9·6	...	...	39·101	-15·056	0·75	44·	327
...	40·617	-44·297	-5	B	...	...	...	2·625	-51·949	0·95	44·	321	9·6	...	...	41·901	30·527	-3	...	...
21	...	...	...	...	...	...	61	...	...	...	...	...	...	101	...	...	...	...	...
...	* -39·222	+14·450	0·90	43·	307	9·4	...	-1·950	+59·190	-2	...	...	...	S *	43·014	-51·752	1·00	44·	328	
...	39·009	-2·792	-4	...	...	...	S *	1·730	-26·685	2·00	44·	322	7·9	...	...	43·437	45·212	-5	...	...
...	38·534	+52·023	-1	...	...	...	...	-0·530	-36·894	-1	...	...	...	S *	43·696	-14·752	1·00	43·	321	
...	37·103	+48·889	-3	...	...	...	...	+1·986	-49·261	-5	...	...	...	...	...	45·009	+8·497	0·90	43·	322
...	36·474	+2·132	-5	...	...	...	S *	2·099	+35·330	0·90	43·	315	9·8	...	...	45·535	33·403	2	...	...
...	-36·459	-23·997	-5	...	...	...	...	+2·168	-37·731	0·65	44·	323	9·8	...	...	45·683	-23·916	4	...	...
...	36·215	-13·255	-5	...	...	...	...	3·601	-17·326	2·60	44·	324	7·6	...	...	45·754	+6·556	-5	...	...
...	35·849	+57·906	-3	...	...	...	...	3·721	+43·976	-4	...	...	...	...	...	46·074	+18·023	-5	...	...
...	34·391	-48·647	-3	...	...	...	...	9·330	-10·060	-1	...	...	...	...	...	* 47·025	+18·876	0·90	44·	329
...	34·044	+10·717	-5	...	...	...	...	9·513	+54·504	0·70	...	...	...	...	...	47·146	-28·277	4	...	...
31	...	...	...	...	...	...	71	...	...	...	...	...	...	111	...	...	...	...	...
...	* -34·042	+10·819	0·90	43·	308	9·4	...	+10·247	+33·919	-5	...	...	...	...	* 50·330	-27·274	1·00	43·	324	
...	32·399	+28·182	-3	...	...	...	...	10·326	-57·963	-5	...	...	...	...	...	50·510	-43·329	1·00	43·	323
...	32·325	+28·049	0·65	43·	309	9·8	...	10·978	+43·014	0·85	43·	316	9·8	...	...	50·876	-19·316	2	...	...
...	29·529	-36·069	-3	...	...	...	...	11·266	51·145	-2	...	...	...	...	...	51·010	-21·623	3	...	...
...	29·337	-51·175	-5	B	...	...	...	* 13·910	38·258	1·05	44·	325	9·2	...	...	52·070	+10·762	4	...	...
...	-28·870	+20·313	-1	...	...	...	...	19·774	+41·500	-4	...	...	...	...	...	* 53·325	42·169	1·30	44·	331
...	28·838	+47·920	-5	...	...	...	...	19·879	+38·051	-5	...	...	...	...	...	53·431	13·753	0·90	44·	332
...	28·345	+52·581	-1	...	...	...	...	21·875	+59·427	-5	...	...	...	...	...	* 54·771	14·774	0·90	44·	332
...	27·949	+42·613	-3	22·268	+9·057	4	S †	54·715	30·953	1·60	44·	333
S *	26·270	+13·861	1·00	43·	310	9·2	...	22·381	-32·672	2	43·	317	9·8	54·800	-11·165	4

ES measured from 1. 64
MC " " " 34. 88

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
121-123																	
121																	
...	+55·438	+7·841	— 1	...	...										
...	56·401	-59·692	— 1	45·313	9·8												
...	59·198	+38·532	0·90	43·325	9·6												

1-40						41-80						81-120					
I	x.	y.	Diam.	C.P.D.	Mag.	I	x.	y.	Diam.	C.P.D.	Mag.	I	x.	y.	Diam.	C.P.D.	Mag.
...	-59·111	-29·061	— 4	M	...	41	-41·870	-38·535	1·05	...	...	81	-24·455	-38·500	— 1	A	...
...	59·080	-38·674	— 5	M	...	...	41·651	-28·042	— 5	M	...	...	24·333	+14·500	— 4	M	...
*	58·717	+43·217	2·00	43·323	9·4	*	40·954	+45·006	1·15	43·327	9·8	...	24·193	+25·197	— 1	...	...
*	58·408	+27·167	1·90	43·324	9·4	...	40·538	-30·588	— 2	...	...	...	23·715	-25·871	— 1	B	...
...	57·622	+19·215	1·05	...	...	...	40·397	-48·943	0·95	...	...	...	23·697	+46·358	1·15	...	...
...	-57·561	+21·537	0·80	...	...	...	-40·124	+33·134	— 4	...	...	...	-22·755	+14·285	— 4	...	...
...	56·423	+43·722	— 4	...	...	...	40·071	+37·814	— 4	...	...	...	22·393	+24·147	— 3	...	...
...	55·573	+10·726	0·95	...	...	...	39·274	+41·119	— 1	...	...	...	22·317	-37·211	— 5	M	...
...	55·424	-10·699	— 5	M	...	*	39·070	+2·080	0·95	...	...	...	22·220	-51·437	— 4	M	...
...	54·979	-10·703	— 5	M	...	...	38·398	-52·395	0·90	...	...	...	21·874	-14·712	0·65	B	...
11						51						91					
...	-54·636	-54·388	— 4	...	...	S*	-36·159	-6·148	2·90	44·335	8·1	...	-21·596	-4·465	0·75	A	...
*	54·075	-13·754	1·35	44·330	9·8	*	36·135	+56·293	1·10	...	...	...	21·470	+1·868	— 5	M	...
...	53·775	+51·564	— 2	...	...	...	36·072	-50·932	1·10	...	...	...	21·033	+16·854	0·70	...	...
...	53·399	+11·201	0·95	...	...	...	34·005	-32·728	1·00	...	...	...	20·825	-15·865	0·70	A	...
*	53·306	-42·168	2·10	44·331	8·6	...	33·806	+46·504	0·80	...	...	...	20·645	-9·264	— 5	M	...
...	-53·205	-32·581	— 4	M	...	...	-33·688	+14·540	1·00	...	...	...	-20·260	-38·250	— 2	M	...
*	52·773	-14·739	1·40	44·332	9·6	...	32·510	-58·160	1·00	...	...	...	†	19·899	-3·320	0·95	...
...	52·712	+7·898	1·20	...	...	...	31·850	-43·024	0·85	...	...	*	19·644	+7·291	1·20	...	
S*	52·100	-36·605	2·85	44·333	8·2	*	31·281	+54·238	1·90	43·328	9·6	...	19·447	+42·416	— 3	...	
...	52·034	+13·117	— 5	...	...	*	31·131	+3·315	1·30	44·336	9·8	...	19·089	+8·977	— 3	...	
21						61						101					
...	-49·996	+31·799	— 1	...	...	*	-30·892	+46·922	2·10	43·329	8·6	...	-18·843	+59·061	1·00	...	
†	49·896	+38·671	1·40	43·325	9·6	...	30·728	+14·701	0·85	...	...	...	17·795	+35·993	0·90	...	
*	49·708	-59·580	1·25	45·313	9·8	...	30·562	-24·411	— 5	M	...	...	17·113	+15·343	— 3	...	
...	48·997	-49·994	— 2	...	...	...	30·198	+53·785	— 5	...	...	...	16·932	-23·416	0·95	...	
...	47·392	+6·617	0·90	...	...	...	29·662	+40·554	0·75	...	...	...	15·078	+41·878	0·80	...	
...	-46·557	+2·786	— 5	M	...	...	-29·461	-7·970	0·70	B	...	†	-14·995	-57·567	— 4	...	
...	46·323	+46·871	0·95	...	...	*	28·860	+32·240	1·10	...	...	...	14·681	-26·680	0·95	...	
...	46·129	-25·894	— 3	B	...	...	28·592	+4·885	0·90	...	...	...	14·479	+9·849	— 1	...	
...	45·577	-36·598	— 5	M	...	*	28·346	+50·805	1·40	...	...	...	13·925	+42·246	— 3	...	
...	45·570	-20·316	1·00	...	...	*	27·705	+30·425	2·40	43·330	8·4	...	13·110	+42·946	— 4	...	
31						71						111					
...	-45·453	+17·973	— 4	...	...	S*	-27·520	+46·111	2·05	43·331	8·7	...	-12·090	+31·431	— 5	...	
...	45·264	-50·581	— 5	M	...	...	27·148	-35·475	0·70	...	...	S*	11·533	-47·690	5·00	44·338	6·4
...	45·208	-48·811	1·20	...	...	...	26·278	+54·767	0·90	...	...	...	11·492	-0·536	— 5	M	
†	44·895	-39·551	1·00	...	...	...	26·228	-42·553	0·75	...	...	...	11·223	+20·235	— 3	...	
*	44·454	-50·826	2·20	44·334	8·6	*	26·037	-1·012	1·20	44·337	9·8	...	11·210	-38·470	— 4	M	
*	-43·298	+38·332	1·70	43·326	9·4	*	-25·479	+58·281	1·90	43·332	9·4	*	-11·100	+44·597	1·60	43·334	9·6
...	43·031	-36·526	1·10	...	...	...	25·476	+0·987	— 5	M	...	...	10·187	+29·630	1·00	...	
*	42·873	-7·756	1·10	...	...	...	25·277	+47·675	— 5	...	...	...	9·817	-41·678	0·95	...	
...	41·978	+20·392	1·00	...	...	...	24·830	-7·982	— 4	M	...	...	9·301	-56·861	— 5	M	
...	41·916	+58·729	1·10	...	...	...	24·525	+18·171	— 1	...	...	...	9·087	+10·723	0·70	...	

L measured from 1, 97, 177.
 LB 48, 143, 221.

Notes.	Co-ordinates.		Diam. 0.65	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65	C.P.D.		Notes.	Co-ordinates		Diam. 0.65.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x	y		No	Mag	
121-170						171 220						221 258						
121						171						221						
...	- 9.014	- 16.053	- 4	M	...	S*	+ 15.497	- 29.515	3.00	44.	342	8.0	...	+ 40.339	+ 17.868	- 2	m	
...	8.731	+ 47.045	- 5	...	...	S*	13.560	- 56.020	2.05	45.	322	8.6	...	40.529	+ 8.947	0.85	...
...	8.239	+ 18.553	- 5	...	...	...	15.770	- 19.693	0.95	...	...	...	S*	41.052	+ 13.340	2.15	43 351
*	7.650	+ 37.667	2.00	43.	335	9.1	...	18.127	+ 52.514	- 5	m	...	...	41.798	- 17.135	0.65	b
...	7.520	+ 32.626	0.90	18.888	+ 54.977	2.00	43.	341	9.0	...	46.446	- 24.791	- 3	m
...	- 7.284	+ 40.446	0.65	...	...	N†	+ 19.098	- 0.074	0.90	a	...	...	...	46.704	- 14.164	0.65	...
S*	7.033	+ 23.400	2.00	43.	336	8.9	...	20.797	- 6.154	0.70	a	...	...	46.778	- 9.174	- 5	m
...	6.530	+ 34.435	0.80	...	...	...	...	20.823	+ 26.054	- 3	...	...	...	47.623	- 8.632	0.70	a
...	6.236	+ 21.711	- 5	...	...	...	...	20.926	- 2.877	0.90	...	...	...	47.691	- 54.325	- 4	m
...	6.145	+ 48.574	- 5	...	...	...	...	21.670	+ 5.873	1.00	...	...	...	47.795	- 26.053	- 2	m
131						181						231						
...	- 4.518	+ 45.848	- 5	...	...	...	+ 21.773	- 44.215	0.70	b	...	...	+	47.870	- 19.010	0.70	...
...	4.204	+ 46.055	- 4	...	...	*	22.034	+ 34.647	1.30	43.	342	9.8	*	48.291	- 30.820	1.20	43 352
...	3.420	- 27.886	- 5	M m	...	S*	22.507	+ 20.620	2.60	43.	344	8.4	...	48.499	- 30.063	0.85	c	
...	3.083	+ 8.068	- 5	m	...	*	22.716	+ 52.387	1.90	43.	313	9.6	...	48.700	- 43.528	- 5	m	
*	2.957	- 17.406	1.40	44.	339	9.6	...	22.799	+ 9.556	- 5	m	...	...	48.737	- 21.043	- 4	m
...	- 2.229	- 12.757	- 5	M m	...	...	+ 23.237	+ 53.804	- 4	...	...	...	...	+ 48.784	- 45.867	- 5	m
...	1.417	+ 9.041	1.00	...	...	...	23.431	- 54.213	- 1	...	...	...	...	48.929	- 7.133	0.75	...
*	1.367	+ 15.652	2.50	43.	337	8.6	...	24.413	+ 43.186	1.40	43.	345	9.8	...	49.482	- 41.677	1.00	...
...	1.341	+ 9.794	- 5	m	24.654	- 56.526	- 5	m	50.359	- 12.890	0.65	a
...	1.166	+ 2.274	- 2	25.775	- 40.686	- 3	m	51.485	- 16.698	- 5	m
141						191						241						
...	- 0.610	+ 18.308	- 5	M m	...	...	+ 25.987	- 1.011	- 2	m	...	...	...	+ 51.980	- 49.367	- 5	m
...	- 0.491	+ 55.992	- 1	...	...	...	26.940	- 47.403	- 1	...	...	...	...	54.336	+ 1.283	0.90	...
...	+ 0.934	+ 50.515	1.00	...	...	*	27.136	+ 22.595	1.30	43.	346	9.8	...	54.469	- 16.152	- 4	m
...	1.149	- 43.072	0.80	...	...	†	27.665	- 39.818	- 2	...	...	...	...	54.480	- 26.489	1.00	...
...	2.763	+ 15.079	0.75	...	...	...	28.816	- 45.471	- 5	m	...	...	...	54.628	- 19.886	- 2	...
*	+ 3.557	+ 53.578	1.10	...	...	...	+ 29.160	+ 20.311	- 3	...	...	...	†	+ 54.869	- 52.865	0.75	...
...	3.803	- 36.454	0.70	...	...	...	29.561	- 32.892	- 2	m	...	...	...	54.959	- 12.251	0.70	c
...	4.350	- 26.276	0.65	B m	...	...	30.442	+ 1.737	- 5	m	...	...	...	55.343	- 48.660	- 4	m
...	4.432	+ 6.957	1.00	...	...	*	30.499	+ 37.296	1.30	...	...	...	...	55.656	- 52.686	- 3	m
...	4.552	- 56.682	0.75	M	...	...	30.724	- 25.544	0.85	...	...	...	...	55.806	- 18.752	0.75	c
151						201						251						
...	+ 4.592	- 38.819	0.80	M	...	...	+ 31.046	+ 36.235	- 4	...	...	...	*	+ 55.891	- 59.221	3.05	43. 353
*	5.104	+ 58.561	1.20	...	...	...	31.279	- 43.716	2.00	44.	343	9.4	...	56.211	- 43.521	- 5	m
...	5.225	+ 7.942	- 1	m	...	...	32.471	- 54.430	- 5	m	...	...	*	56.434	- 40.791	1.70	44. 346
...	6.493	+ 32.804	- 5	m	...	...	33.145	+ 51.874	2.00	43.	347	9.1	*	57.752	- 33.865	1.80	44 347
...	6.835	+ 19.158	- 5	m	...	...	33.829	- 52.258	- 1	...	...	...	...	58.006	- 9.603	0.70	...
...	+ 7.087	- 9.570	- 2	m	...	...	+ 34.030	- 59.315	- 1	...	...	...	...	+ 58.197	- 50.747	- 1	c
...	8.118	+ 31.571	0.80	...	...	...	34.417	- 9.861	- 5	m	...	...	*	58.627	- 33.423	2.00	44. 348
...	8.310	+ 29.064	1.00	...	...	...	34.962	- 9.279	0.95	...	...	...	†	59.717	- 15.790	- 5	m
*	9.186	+ 52.570	1.90	43.	338	9.1	...	35.589	+ 5.479	1.00	...	...	...	...	...	...	...
S*	9.192	+ 57.300	2.55	43.	339	8.3	...	35.911	- 19.153	- 5	m	...	...	...	...	...	...
161						211						...						
*	+ 9.347	- 1.571	1.30	44.	340	9.8	*	+ 36.262	+ 45.730	1.30	43.	348	9.8	...	...	...	...
...	10.151	- 40.933	- 5	m	...	...	*	36.833	+ 25.347	1.70	43.	349	9.6	...	...	...	...
...	10.493	- 36.626	0.85	...	...	...	...	36.984	- 46.172	1.00	...	...	...	...	...	...	...
...	11.107	- 58.655	1.00	...	...	...	*	37.893	- 47.730	1.30	44.	344	9.8	...	...	...	...
...	12.006	+ 41.920	- 4	m	...	...	...	37.963	- 11.337	- 5	m	...	...	...	...	...	...
...	+ 12.744	+ 7.154	0.75	...	...	...	...	+ 37.986	- 26.001	- 2	m	...	...	...	...	...	...
*	12.999	- 37.410	1.40	44.	341	9.8	...	38.404	- 46.608	- 5	m	...	...	...	...	...	...
...	13.970	- 22.829	0.65	b	...	...	...	38.501	+ 12.800	- 5	m	...	...	...	...	...	...
*	14.038	+ 32.895	1.05	...	...	...	*	38.728	+ 40.665	1.30	43.	350	9.8	...	...	...	...
...	14.054	+ 16.449	0.80	...	...	...	*	38.822	15.720	1.35	44.	345	9.8	...	...	...	...

176. 45° 20, obscured by réseau.

Notes.	Co-ordinates		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.								
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.							
1-50						51-100						101-138												
I	...	...	...	...	...	51	...	...	...	...	...	101	...	...	...	...	...		
...	-59.208	+ 6.964	- 4	...	...	...	-17.459	-12.391	- 4	...	...	...	+26.799	- 0.878	- 3	...	...					
...	58.513	-30.226	- 4	E	...	...	15.308	-41.463	- 4	...	...	...	* 27.338	-28.102	1.30	44. 359	8.8							
...	57.169	-41.800	- 3	...	...	...	13.530	-57.063	- 3	...	...	...	...	28.004	+47.710	0.80	...							
*	53.842	+59.243	2.50	43. 353	8.0	...	...	12.912	+52.662	- 1	...	...	...	...	28.194	-32.103	0.70	...						
...	53.624	+ 1.285	- 2	...	...	...	...	12.876	-15.380	0.65	...	...	...	...	...	28.214	-57.305	0.70	...					
...	-52.626	-26.472	0.70	...	...	S*	-11.696	+ 6.976	1.08	43. 357	9.6	...	...	...	...	...	28.710	+11.762	- 4	...				
...	52.587	-12.228	- 5	E	...	...	...	11.416	+58.185	- 2	...	...	...	...	...	...	...	29.710	-10.104	1.40	44. 360	8.6		
...	51.548	-18.710	- 5	E	...	...	...	11.239	-38.248	- 2	...	...	S*	...	...	...	...	...	31.270	+48.647	2.20	43. 364	7.8	
...	51.456	-52.828	- 4	...	...	S*	...	8.754	-29.257	1.95	44. 353	8.0	...	...	...	...	...	...	33.242	-21.093	- 4	...	...
*	50.254	-40.712	1.00	44. 346	9.4	S*	...	7.726	+18.105	1.00	43. 359	9.6	S*	...	...	...	...	...	...	33.512	+ 2.138	1.55	44. 361	8.6
II	...	...	...	...	...	61	...	...	...	...	...	111	...	...	...	...	...	...	...	...	...	...	...	...
...	-50.210	+ 9.715	- 4	...	...	*	- 6.654	-38.585	1.10	44. 354	9.1	...	...	...	...	...	...	...	...	...	...	...	...	...
*	49.139	-33.740	1.05	44. 347	9.2	...	...	6.266	-23.406	- 1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48.304	+10.081	- 5	...	...	...	...	5.685	+ 5.327	- 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	48.274	-33.277	1.30	44. 348	8.6	*	...	4.531	+19.324	1.00	43. 360	9.6	...	...	...	...	...	...	...	...	...	...	...	...
...	48.165	-50.584	- 5	E	...	...	...	4.393	+ 5.476	1.00	44. 355	9.8	*	...	...	...	...	...	...	...	...	...	...	...
...	-47.893	+26.556	- 4	...	...	...	...	- 4.355	+57.180	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	47.218	-10.732	0.65	...	...	...	...	3.535	+13.673	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	46.631	+58.739	- 4	...	...	S*	...	2.630	-35.273	2.15	44. 356	7.8	*	...	...	...	...	...	...	...	...	...	...	...
...	44.588	-31.891	0.65	...	...	...	...	- 1.408	+42.191	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	44.302	-15.667	- 4	...	...	...	...	+ 1.781	-36.993	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	...	...	...	...	...	71	...	...	...	...	...	121	...	...	...	...	...	...	...	...	...	...	...	...
S*	-44.173	+32.609	4.85	43. 354	5.6	...	...	+ 2.885	-20.262	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	43.988	- 0.150	- 5	M	...	...	...	4.399	+16.753	- 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	42.276	+58.457	0.75	...	...	...	...	6.048	-58.914	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	40.882	-36.650	1.20	44. 349	8.9	...	...	7.826	-41.940	- 5	...	...	S*	...	...	...	...	...	...	...	...	...	...	...
*	40.389	-23.448	0.95	44. 350	9.8	...	...	10.869	+13.014	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	-39.012	+ 7.660	- 5	...	...	...	...	+11.515	-39.268	- 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	38.860	-55.163	- 1	...	...	*	...	11.969	-17.287	1.05	44. 357	9.8	...	...	...	...	...	...	...	...	...	...	...	...
...	38.392	-24.060	0.75	...	...	...	...	12.836	-50.769	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	37.447	+ 6.282	- 2	...	...	...	...	12.865	-16.441	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	36.002	+35.954	0.80	...	...	...	...	13.726	-54.292	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	...	...	...	...	81	...	...	...	...	...	131	...	...	...	...	...	...	...	...	...	...	...	...
†	-34.886	+19.124	0.80	...	...	...	...	+13.977	-57.540	- 1	45. 338	9.8	e*	...	...	...	...	...	...	...	...	...	...	...
...	34.496	+ 0.574	0.65	a	...	...	...	14.089	+48.208	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	34.197	+42.704	- 5	...	...	...	...	15.342	+25.386	- 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	34.101	-24.535	0.70	...	...	S*	...	15.438	+25.830	1.10	43. 361	9.0	...	...	...	...	...	...	...	...	...	...	...
...	34.055	- 9.413	- 4	...	...	...	...	16.336	+18.034	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	-28.692	-14.565	1.00	44. 351	9.6	...	...	+16.603	-15.528	- 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	28.115	-56.182	0.80	...	...	...	...	17.788	+ 6.805	- 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	27.956	-10.436	- 1	...	...	...	...	18.326	-45.969	- 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	26.703	+46.173	- 2	...	...	†	...	19.988	+54.052	0.80	43. 362	9.8	...	...	...	...	...	...	...	...	...	...	...	...
...	26.616	-47.058	- 1	...	...	†	...	20.036	+55.540	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
41	...	...	...	...	...	91	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	-24.694	+18.146	- 4	...	...	S*	...	+20.335	-52.943	1.00	44. 358	9.2	...	...	...	...	...	...	...	...	...	...	...	...
...	24.141	-54.161	- 2	...	...	...	...	20.460	+51.031	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	23.394	+38.900	0.80	...	...	...	...	21.374	-16.139	- 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22.865	+32.494	0.70	...	...	...	...	21.654	-37.320	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	22.437	-17.867	1.10	44. 352	9.6	...	...	22.551	+24.664	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	-22.085	+52.310	- 2	...	...	...	...	+23.073	+39.907	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	21.637	-13.322	- 4	...	...	...	...	25.159	+22.172	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	21.247	+47.970	- 3	...	...	†	...	25.378	+39.887	2.00	43. 363	8.6	...	...	...	...	...	...	...	...	...	...	...	...
...	11.129	+15.108	- 5	...	...	*	...	26.044	- 0.349	0.95	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	18.598	-41.289	- 5	A	...	...	...	26.262	-21.228	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...

LB measured from 1. 89.
L " " 50.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-50						51-100						101-127					
I	-59.469	+40.809	-4	...	...	51	-22.492	-46.090	-5	...	...	101	-26.470	+36.357	3	...	...
...	59.274	-17.826	-5	...	...	S*	21.846	-10.461	1.95	44. 370	8.2	...	27.117	+30.387	1.00	43. 372	9.9
...	58.923	+24.116	-3	...	...	...	18.950	+13.040	-5	...	...	...	30.584	-13.468	-5	...	...
...	58.328	-8.345	0.95	44. 365	9.8	*	18.179	-52.045	1.15	44. 371	9.4	...	33.510	-13.002	-3	...	...
...	56.510	-32.003	-5	...	...	...	16.002	-19.582	-3	...	...	...	33.563	-37.232	-5	...	...
...	-56.479	-0.471	-2	E	...	S*	-13.427	+44.578	1.25	43. 369	9.1	...	-34.275	-45.262	3	...	...
E*	56.200	-0.404	1.90	44. 366	8.6	...	13.207	+57.387	-5	...	...	...	34.712	+3.112	-5	...	...
...	56.126	+11.318	-5	...	...	S*	11.833	-47.544	-5	...	...	*	38.002	-44.100	1.20	44. 378	9.9
...	55.791	+11.559	-5	...	...	S*	11.477	-44.845	2.90	44. 372	7.8	...	39.758	-16.107	-1	...	...
...	53.349	-8.581	0.75	...	...	...	11.043	+48.773	-5	...	...	...	40.601	-47.942	-4	...	...
II						61						111					
*	-52.098	-35.766	1.40	44. 367	8.8	†	-6.885	+9.878	-4	...	...	S*	+41.410	-48.276	2.40	44. 379	8.3
...	52.008	+13.376	-5	...	...	*	6.862	-17.007	1.30	44. 373	9.1	*	41.951	-49.260	1.10	44. 380	9.7
...	48.692	+11.729	-5	...	...	†	6.095	+49.717	-3	...	...	...	43.413	-9.508	0.70	...	...
...	48.585	+19.426	-5	...	...	†	5.973	-5.069	-4	m	...	...	43.736	-26.980	0.95	...	...
...	46.552	+26.749	-1	...	...	...	5.410	+58.965	-4	...	...	...	44.028	-5.863	-3	...	...
S*	-45.871	+48.862	1.35	43. 365	9.4	...	-3.060	-52.215	-4	...	...	...	+47.445	-57.936	5	...	...
†	45.854	+9.811	-5	...	...	...	2.157	-54.263	-1	...	...	...	48.747	-59.218	-5	...	...
...	45.785	+13.029	-5	...	...	...	-0.314	-53.440	-5	...	...	...	51.082	-7.815	-4	...	...
...	45.732	-36.095	-5	...	...	...	+0.592	+35.032	-5	...	...	...	51.152	-40.586	-5	...	...
...	45.045	+33.312	-5	...	...	...	0.969	+40.927	-5	m	...	...	51.537	-28.605	-2	...	...
2I						71						121					
...	-43.947	-38.102	-3	...	...	...	+1.557	-29.125	1.00	...	...	...	+52.939	+27.414	-5	...	...
...	43.933	+37.209	-5	...	...	...	2.174	+25.148	0.80	43. 370	9.9	...	53.789	-35.339	-1	...	...
...	42.049	-52.837	-5	...	...	*	2.209	-55.153	2.00	45. 350	8.6	...	54.144	-10.542	0.95	...	...
...	41.915	+45.904	-5	...	...	*	2.322	-10.867	1.10	44. 374	9.9	...	54.958	-21.939	-5	...	...
...	41.135	+2.230	-5	...	...	...	4.401	+19.125	-3	...	...	...	56.211	-59.287	2.00	43. 374	8.8
...	-40.664	+15.491	0.70	...	...	S*	+4.542	+27.743	1.20	43. 371	9.3	S*	+56.220	-24.102	1.50	43. 375	9.1
†	39.836	-11.386	-4	...	...	†	5.069	+24.433	-3	...	...	...	56.753	+20.335	-5	...	...
...	39.167	-25.314	-2	...	...	*	6.004	-2.887	1.10	44. 375	9.9	...					
...	38.953	+57.282	-2	...	...	...	6.165	+18.300	-5	...	...	...		
...	37.407	+32.953	-5	...	...	...	6.900	-10.541	-3	...	...	...		
3I						81											
...	-34.606	-10.270	-4	...	...	...	+7.022	+47.502	-5	...	...	...		
...	33.450	-19.376	0.80	...	...	...	7.251	+39.077	-5	...	...	...		
...	33.022	+14.338	0.65	...	...	...	7.434	-52.559	-1	...	...	...		
*	32.264	-28.833	1.40	44. 368	9.2	...	7.827	+40.009	1.00	...	...	...		
...	32.167	-35.570	-4	...	...	...	8.697	+54.165	-4	...	...	...		
...	-31.813	+13.582	-5	...	...	...	+9.457	+56.802	-5	...	...	...		
...	30.064	-38.917	-4	...	...	...	13.265	-37.859	0.80	...	...	...		
†	29.840	+32.668	1.00	43. 367	9.6	...	13.414	+50.140	-4	...	...	...		
...	29.592	-1.647	-3	...	...	S*	15.615	-58.630	2.95	45. 351	8.0	...					
...	28.577	-49.706	-5	...	...	...	16.568	-24.848	-4	...	...	...		
4I						91											
...	-26.006	-51.052	0.80	...	...	...	+20.369	+41.011	-5	...	...	...		
...	25.845	-44.430	1.00	44. 369	9.6	S*	21.164	+10.880	1.00	...	...	...		
...	25.746	-9.434	0.80	...	...	...	22.132	-46.672	0.85	...	...	...		
*	25.439	-57.947	1.60	45. 346	9.0	...	22.175	-28.168	-4	...	...	...		
...	24.232	-20.824	-5	...	...	...	25.276	-4.753	0.75	...	...	...		
...	-23.280	-55.875	-3	...	...	*	+25.340	-10.667	1.40	44. 376	9.6	...					
*	22.947	+42.464	1.20	43. 368	9.2	...	25.790	+7.397	-5	...	...	...		
...	22.621	-55.514	-2	...	...	S*	26.177	-2.973	4.00	44. 377	7.3	...					
...	22.589	-45.060	-3	...	...	...	26.291	+52.498	-5	...	...	...		
...	22.581	+43.907	-3	...	...	...	26.421	-44.406	-5	m	...	...			

I. measured from 1
MC 69

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-50						51-100						101-141					
I	...	...	...	...	...	51	...	...	...	...	...	101	...	...	...	...	...
...	-58.709	-58.103	5	...	...	...	-17.544	+58.830	5	...	...	...	+23.289	-6.489	5	...	...
...	57.260	+28.512	1	...	...	...	17.147	+49.798	1.00	...	...	...	23.373	+50.074	5	...	...
...	56.595	-7.911	3	...	...	...	17.021	-40.061	4	...	...	...	23.833	-40.726	4	...	...
...	55.814	+27.371	5	...	...	S*	16.500	-5.278	2.05	44. 385	8.3	...	24.584	-37.851	2	...	...
...	55.213	+35.324	1	...	...	...	16.462	-31.677	4	...	...	...	25.410	+39.198	1	...	...
...	-54.104	+10.542	1.00	...	...	S*	-16.342	+24.423	2.05	43. 383	8.0	...	+25.599	-7.757	4	...	...
*	53.522	+59.333	1.90	43. 374	8.8	...	16.004	-12.579	4	...	...	...	26.920	+56.674	5	...	...
S*	52.442	+24.154	1.45	43. 375	9.1	...	15.246	+9.904	0.95	43. 384	9.9	S*	26.930	-55.873	1.30	45. 362	9.1
...	52.294	-21.904	4	...	...	...	14.895	+58.007	5	...	...	...	28.302	-4.280	4	...	...
...	51.790	+20.406	5	...	...	...	14.776	-4.035	2	...	...	...	* 28.900	+9.353	1.50	43. 387	9.0
II	...	...	...	...	...	61	...	...	...	...	...	III	...	...	...	...	...
...	-48.138	+17.355	4	...	...	...	-14.599	+44.272	5	...	...	...	+30.133	+9.039	3	...	...
...	47.088	-52.829	5	M	...	...	12.689	-53.530	0.95	...	...	...	30.283	-32.708	4	...	...
*	46.473	-17.100	1.00	44. 381	9.7	...	11.949	+15.169	0.75	...	...	...	31.397	-52.905	5	...	...
...	46.029	-32.766	1.00	44. 382	9.9	...	11.805	-45.461	2	...	...	...	31.422	+27.948	4	...	...
S*	45.495	+54.699	2.70	43. 376	8.2	...	10.556	+26.810	4	...	...	S*	33.064	+21.797	1.10	43. 388	9.4
...	-44.354	-52.431	4	...	...	S*	-10.390	-53.215	1.15	44. 386	9.4	...	+33.109	+3.709	0.65	...	...
...	43.253	-2.020	2	...	...	...	9.735	-9.878	2	...	...	...	33.332	+32.122	0.90	...	...
...	42.432	+59.735	0.95	43. 377	9.8	...	7.645	-40.645	3	...	...	...	33.822	-16.853	3	...	...
...	42.158	+21.627	4	...	...	...	7.518	-6.898	4	M	...	*	34.085	-48.809	1.35	44. 391	9.2
S*	40.558	+9.659	2.05	43. 378	8.2	...	7.139	+57.480	1	...	...	*	37.367	-29.509	1.00	44. 392	9.8
2I	...	...	...	...	...	71	...	...	...	...	...	121	...	...	...	...	...
...	-39.916	-15.374	3	...	...	...	-6.085	-31.845	0.90	...	...	...	† 37.822	+54.753	3	...	...
*	39.715	+7.393	1.20	43. 379	9.4	...	6.063	-39.964	2	...	...	...	38.210	-43.898	2	...	...
...	39.645	+18.324	5	...	...	...	4.237	+44.327	0.70	...	...	S*	38.942	-7.179	1.90	44. 393	8.4
...	36.983	+23.546	0.85	...	...	...	3.118	+4.203	0.70	...	...	...	41.040	+3.597	5	...	...
...	36.511	-47.302	3	...	...	*	2.823	-35.482	1.00	...	...	...	41.353	+40.960	5	...	...
...	-36.376	-34.398	0.90	...	...	...	-0.662	-8.410	0.65	...	...	*	+44.112	+56.761	2.40	43. 389	8.3
...	34.313	+14.236	0.65	...	...	...	-0.127	-15.158	5	M	...	...	44.320	+30.944	5	...	...
...	33.953	+47.471	1.00	...	...	...	+1.546	+41.674	1.00	...	...	*	44.811	-44.713	1.20	44. 394	9.2
*	33.463	+26.081	2.20	43. 380	8.2	...	4.108	+41.969	4	...	...	...	46.538	-55.452	5	...	...
...	31.116	+23.162	5	...	...	...	6.657	-33.112	3	...	...	...	48.700	+10.785	0.80	...	...
3I	...	...	...	...	...	81	...	...	...	...	...	131	...	...	...	...	...
†	-30.094	-3.991	4	M	...	...	+7.015	-47.918	0.65	...	...	S*	+50.434	-30.900	1.85	44. 395	8.8
...	28.777	-15.920	5	M	...	...	7.050	-40.622	3	...	...	...	51.378	-34.782	5	...	...
*	28.167	+26.921	2.00	43. 381	8.4	...	7.827	+21.305	1.00	43. 385	9.8	...	53.003	-44.622	5	...	...
...	27.795	+56.783	4	...	...	S*	9.101	+26.938	1.90	43. 386	8.6	...	54.024	+13.212	5	...	...
...	27.641	-16.784	5	...	...	...	9.556	-50.875	4	...	...	...	55.286	-12.658	2	...	...
...	-25.696	-59.265	1	...	...	...	+11.554	+39.418	0.65	...	...	...	+55.328	+14.258	0.70	...	...
*	22.786	+2.289	1.05	44. 384	9.8	*	11.584	-0.937	2.00	44. 387	8.8	...	55.401	+15.367	0.70	...	...
S*	22.715	-54.702	1.30	44. 383	9.0	...	12.610	+20.190	4	...	...	...	56.212	+28.877	5	...	...
...	21.713	+12.327	1.00	...	...	...	12.630	+50.229	3	...	...	...	57.014	+46.174	4	...	...
...	21.711	+58.556	1	...	...	*	12.926	-49.728	1.30	44. 388	9.2	...	57.355	+52.272	5	...	...
4I	...	...	...	...	...	91	...	...	...	...	...	141	...	...	...	...	...
...	-21.487	+50.052	2	...	...	...	+15.021	+30.944	0.95	...	...	...	+58.589	-36.053	1	...	...
...	21.415	+56.848	3	...	...	...	15.681	-17.723	5	m	...	...	...	...	...	...	...
...	20.932	-31.754	1	...	...	*	15.998	+3.899	1.60	44. 389	9.1	...	...	...	...	...	...
...	20.844	-16.233	5	M	...	...	16.766	+21.912	4	...	...	...	...	...	...	...	...
...	19.900	-23.079	5	M	...	...	17.247	-12.838	2	...	...	...	...	...	...	...	...
...	-19.708	-23.663	0.65	...	...	...	+19.273	+37.062	0.80	...	...	...	...	...	...	...	...
...	18.539	+51.924	5	...	...	...	20.836	-54.165	4	...	...	...	...	...	...	...	...
...	18.497	-46.871	1.00	...	...	...	20.877	+17.761	3	...	...	...	...	...	...	...	...
...	17.889	+18.099	0.95	...	...	*	21.204	-41.824	1.00	...	...	...	...	...	...	...	...
†	17.825	+54.933	1.00	43. 382	9.9	*	21.253	-41.775	1.00	44. 390	9.2	...	...	...	...	...	...

Measured by L.; Standards by L and LB.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-157					
I	-59.558	+10.616	-3	...	...	61	-16.417	+13.667	-5	...	...	121	+33.232	-41.883	1.00	44. 409	9.8
S*	56.537	-31.003	1.90	44. 395	8.8	*	16.330	+9.673	1.15	43. 397	9.2	...	35.883	-34.530	0.65	...	...
...	53.033	+14.295	-2	...	...	...	13.700	-12.404	-5	A	...	S*	37.416	-54.461	1.00	44. 410	9.8
...	52.999	+15.409	-2	...	...	...	12.696	+44.996	0.95	...	...	...	37.445	+42.969	-5	...	...
...	52.605	+28.937	-5	...	...	...	12.263	+1.750	0.95	...	...	...	40.000	-42.916	-4	...	...
...	-52.330	+46.245	-5	...	...	...	-11.959	-27.635	0.80	...	...	*	+40.068	+45.977	1.50	43. 406	9.0
...	52.255	-12.620	-2	...	...	...	10.556	-6.953	-4	...	...	...	40.423	+24.168	-2	...	...
...	52.188	+52.304	-5	...	...	*	9.686	-28.678	1.10	44. 403	9.4	...	40.595	-6.331	0.80	...	...
...	48.547	+41.334	-4	...	...	*	9.542	-56.459	1.00	45. 377	9.9	†	40.947	+9.777	-4	...	...
...	48.217	-35.906	-3	...	...	S*	8.750	-27.849	2.00	44. 404	8.3	...	42.178	-6.915	0.95	...	...
II	-46.602	-45.966	-1	...	...	71	-6.678	-24.705	-2	...	...	131	+42.322	-30.815	1.80	44. 411	8.8
†	46.241	+19.837	-3	...	...	...	6.137	+8.815	0.75	...	...	...	42.496	-30.750	-2	...	...
...	44.656	-6.238	0.90	...	...	...	6.060	-47.635	-5	...	...	...	43.252	-40.106	-5	b	...
...	42.202	-34.158	-4	...	...	...	6.051	-46.674	-5	...	...	...	44.113	+32.615	1.00	...	...
...	41.670	-10.879	-4	...	...	...	5.540	-12.886	0.75	...	...	...	45.080	-3.499	-2	...	...
*	-41.411	-39.082	2.00	44. 396	8.4	*	-4.792	+33.508	1.30	43. 398	9.3	...	+46.032	+19.269	-5	...	...
...	41.196	+10.333	0.65	...	...	...	2.786	-6.527	-4	...	...	...	46.400	+20.901	0.90	...	...
...	40.497	+35.465	1.00	43. 390	9.9	...	2.695	-28.062	-4	...	...	...	46.409	+23.242	-5	...	...
†	40.032	-26.536	-3	...	...	...	2.582	-11.804	-4	...	...	*	46.740	-11.502	1.30	44. 412	9.3
*	39.749	+36.652	1.70	43. 391	9.0	...	2.232	-4.614	0.70	...	...	*	48.111	+12.379	1.00	...	...
2I	-39.559	-4.193	1.30	44. 397	8.8	81	-0.902	+8.944	-5	...	...	141	+48.454	+13.684	-3	...	...
*	39.459	-26.231	-4	...	...	...	-0.789	+37.682	0.95	43. 399	9.9	...	49.215	-9.183	0.70	...	...
S*	39.094	+57.949	3.70	43. 392	7.1	...	+1.283	+49.998	-5	...	...	...	50.574	-22.179	-3	...	...
...	38.613	+28.029	-3	...	...	...	2.609	+36.756	-2	...	...	...	50.843	-10.942	-5	...	...
...	38.217	+9.513	-5	...	...	...	2.825	+16.487	-5	...	...	...	51.025	-14.455	-4	...	...
...	-37.800	-35.447	-4	...	...	...	+3.777	+56.933	-1	...	...	...	+51.140	-43.729	0.95	...	...
*	37.689	-15.601	1.00	...	...	...	4.068	+1.473	0.70	...	...	S*	51.654	-19.571	1.18	43. 407	9.2
...	37.262	-40.185	0.80	...	...	S†	4.988	+32.514	2.00	43. 400	8.2	...	52.043	-19.530	-3	...	...
*	37.176	+48.314	1.90	43. 393	8.8	*	6.485	-10.226	1.00	44. 405	9.9	...	52.154	-0.052	0.95	f	...
...	35.937	-15.528	-5	...	...	†	7.077	+9.790	0.75	...	...	*	52.708	-17.848	1.00	44. 413	9.4
3I	-35.762	-6.076	-3	...	...	91	+7.386	+3.521	-4	...	...	151	+54.350	-24.095	-3	...	...
S†	35.047	+9.635	1.25	43. 394	8.8	...	7.806	+43.681	0.90	...	...	...	55.657	-5.001	-2	...	...
*	32.444	-28.453	0.90	44. 398	9.9	...	10.344	+12.418	-4	...	...	...	56.050	-46.701	-3	...	...
...	30.931	+3.104	-5	...	...	...	10.391	-1.943	-4	...	...	*	57.059	+53.477	1.80	43. 408	9.3
*	30.673	+4.622	1.00	43. 395	9.8	...	10.419	+35.726	-5	...	...	...	58.134	+29.076	-5	...	...
...	-30.441	+25.682	0.85	...	...	...	+10.547	-27.838	-4	...	...	S†	+58.670	-35.039	1.60	44. 414	8.8
...	30.262	+9.538	-5	...	...	...	12.077	-35.360	-5	...	...	...	58.732	+18.081	-4	...	...
...	30.255	-21.597	-5	...	...	*	13.278	+8.625	1.00	43. 401	9.9	...	...	...	...	...	...
†	30.061	-9.948	-4	...	...	...	13.492	-15.377	-4	...	...	...	...	...	...	...	...
†	29.908	+49.872	1.50	43. 396	9.2	...	14.053	-29.482	0.85	...	...	...	...	...	...	...	...
41	-29.465	+27.073	-5	A	...	101	+14.887	+36.639	1.00	43. 402	9.7	...	...	...	...	...	...
...	29.255	-37.896	0.65	...	...	†	15.733	-13.021	-3	...	...	...	...	...	...	...	...
...	29.125	+48.654	-2	...	...	*	19.076	+43.993	1.10	43. 403	9.8	...	...	...	...	...	...
...	28.757	-37.656	-2	...	...	...	19.657	-23.574	-5	a	...	...	...	...	...	...	...
...	28.030	+36.277	-4	...	...	...	20.074	+9.328	0.75	...	...	...	...	...	...	...	...
...	-27.742	+16.840	0.75	...	...	...	+20.528	-59.669	-3	...	...	...	...	...	...	...	...
...	27.643	+15.745	-4	...	...	...	20.622	-51.076	-5	...	...	...	...	...	...	...	...
...	27.288	-14.663	0.90	...	...	...	24.120	+18.749	0.90	...	...	...	...	...	...	...	...
...	24.860	+50.737	0.80	...	...	S*	24.309	-15.295	1.00	44. 406	9.9	...	...	...	...	...	...
*	24.806	-22.396	2.20	44. 399	8.0	...	25.043	+43.193	-3	...	...	...	...	...	...	...	...
5I	-24.479	-17.227	0.85	...	...	111	+25.259	+49.839	1.00	...	...	...	...	...	...	...	...
S*	24.335	-55.505	1.65	45. 374	9.1	*	26.306	-29.122	1.00	44. 407	9.9	...	...	...	...	...	...
†	23.806	-40.047	2.20	44. 400	7.8	...	26.800	-6.087	0.70	...	...	...	...	...	...	...	...
...	22.337	+2.158	-3	...	...	...	26.920	+30.818	-2	...	...	...	...	...	...	...	...
...	21.951	-36.470	-4	...	...	...	30.359	+31.353	0.90	...	...	...	...	...	...	...	...
*	-17.615	-48.306	1.00	44. 401	9.8	...	+30.978	+43.328	-5	...	...	...	...	...	...	...	...
...	17.209	-29.271	-5	...	...	...	31.727	+40.444	-3	...	...	...	...	...	...	...	...
...	17.076	+31.740	0.65	...	...	*	31.800	40.254	1.00	44. 408	9.7	...	...	...	...	...	...
*	16.828	-0.352	1.15	44. 402	9.3	S*	31.879	+35.556	2.15	43. 404	8.0	...	...	...	...	...	...
...	16.803	-25.721	-5	...	...	S*	32.367	+5.356	2.45	43. 405	8.2	...	...	...	...	...	...

Measured by L.; Standards by L. and MC.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	-59°382	-57°698	-5	M	...	6I	-26°974	-10°686	-5	M	...	121	-2°782	-14°704	-4	M	...
...	58°417	-9°306	0·65	...	...	...	26°966	+31°164	-5	...	...	...	2°494	-39°921	2·10	44· 423	8·0
S*	56°869	+19°496	1·40	43· 407	9·2	...	26°425	+1°722	-5	...	...	...	1°780	-22°296	0·70	...	...
...	56°755	-11°022	-4	...	...	*	26°404	-5°663	1·00	...	...	...	1°688	+13°035	-4	...	...
...	56°671	-22°269	-2	...	...	†	26°054	+49°736	1·00	...	...	...	1°589	-27°770	1·30	44· 424	10·0
...	-56°459	-14°529	-1	...	...	...	-25°739	+46°027	-4	...	...	...	-1°490	-52°022	1·55	44· 425	8·8
+	55°759	-0°110	1·00	F	...	...	25°269	+51°446	0·65	...	...	...	-0°222	+11°791	-3	...	...
...	55°460	-43°800	0·95	...	...	†	24°910	-51°245	-4	...	...	...	+2°394	-26°248	0·80	...	...
...	55°295	-19°579	0·80	...	...	...	24°550	-5°347	-3	M	...	...	-2°399	-14°158	-5	M	...
+	54°650	-17°864	1·20	44· 413	9·4	...	24°073	+37°399	0·80	...	...	S*	2°702	-24°756	1·80	44· 426	8·6
11	...	...	...	...	...	7I	...	...	...	...	...	131	...	...	...	...	...
...	-53°503	-3°369	-5	M	...	*	-22°308	-43°668	2·00	44· 420	8·1	...	+4°276	-29°553	-4	M	...
...	52°838	-24°065	-2	...	...	...	22°173	-25°338	-5	M	...	...	4°435	+14°525	0·70	...	...
...	52°592	+14°576	-5	...	...	...	20°990	-30°829	-5	M	...	...	4°486	-21°942	0·65	...	...
*	52°494	+53°543	1·80	43· 408	9·3	...	20°693	+35°595	-3	...	...	...	4°784	-38°401	-5	M	...
...	52°422	+5°058	0·70	...	...	...	20°336	-32°540	-4	...	...	...	5°463	+51°922	-5	...	...
...	-51°998	+7°139	-5	M	...	†	-19°878	+47°706	0·70	...	...	*	+5°754	-43°869	1·40	44· 427	9·0
...	50°680	+29°195	-2	...	...	...	19°618	+52°063	-3	...	...	*	5°894	-45°192	2·00	44· 428	8·1
...	50°450	-46°627	-1	...	...	...	19°537	+0°162	-5	M	...	...	6°903	+46°275	1·20	43· 414	9·8
...	50°124	-12°809	-5	M	...	...	19°325	+7°935	-5	M	...	...	7°328	-55°967	1·10	45· 398	10·3
†	49°765	+18°216	-1	...	...	S*	18°194	+32°920	1·20	43· 411	9·8	...	7°354	+1°170	0·70	...	...
2I	...	...	...	...	...	8I	...	...	...	...	...	14I	...	...	...	...	...
...	-49°539	-6°651	-5	M	...	...	-17°528	-29°192	-4	M	...	...	+7°773	-39°594	-3	...	...
...	48°670	+53°059	-5	...	...	†	17°185	-59°842	0·80	...	...	...	7°876	+19°736	-5	m	...
S†	48°180	-34°865	1·50	44· 414	8·8	...	17°103	+16°646	-5	M	...	...	8°964	-48°696	-4	...	...
...	47°843	+51°994	-4	...	...	...	16°670	+11°815	-5	M	...	...	9°108	-44°082	0·80	...	...
...	47°012	-27°367	-5	M	...	...	16°097	+11°105	0·90	...	...	...	9°817	-2°597	-5	...	...
*	-46°429	-47°230	1·40	44· 415	9·4	...	-15°488	+44°882	-4	...	...	...	+9°819	-6°809	-5	...	...
...	44°138	-38°575	0·70	...	...	...	15°060	-48°402	0·70	...	...	...	9°857	+45°473	-3	...	...
...	44°036	+17°717	-1	...	...	...	14°780	+20°343	-5	M	...	...	10°194	-1°605	-5	m	...
...	43°629	-37°095	-5	M	...	...	14°497	+37°610	0·80	...	...	...	10°694	+14°245	0·90	...	...
...	43°251	-14°237	0·70	...	...	...	13°715	+33°411	-5	M	...	...	10°891	-57°972	-5	...	...
3I	...	...	...	...	...	9I	...	...	...	...	...	15I	...	...	...	...	...
...	-43°002	+39°097	-4	...	...	...	-13°684	+40°773	-4	...	...	...	+11°281	+13°985	-3	...	...
...	42°301	+13°226	0·70	...	...	...	12°740	+41°563	-4	...	...	*	11°976	-27°978	1·10	44· 429	10·4
*	42°276	-12°287	3·00	44· 416	7·3	...	12°190	+57°057	-2	...	...	...	12°366	-3°399	-3	...	...
...	42°172	-6°099	-5	M	...	...	11°353	-23°624	0·70	...	...	...	12°831	-46°488	-5	...	...
...	42°049	-58°619	-5	M	...	*	11°270	+58°387	1·20	43· 412	9·8	...	13°224	+25°539	-4	...	...
...	-41°844	+11°099	-5	...	...	...	-10°674	-15°489	1·20	M	...	...	+13°541	+17°466	-5	...	...
...	40°822	+24°343	-5	...	...	...	10°398	+30°995	-5	M	...	...	13°866	+25°324	-5	m	...
...	39°516	+11°609	-3	...	...	...	10°253	-23°712	-3	...	...	...	14°004	+11°106	-4	...	...
*	39°377	+31°297	1·30	43· 409	9·0	...	9°896	-56°442	3·00	45· 396	7·8	...	14°390	+43°233	-4	...	...
...	39°178	-9°101	-4	M	...	S*	9°368	+24°721	1·58	43· 413	8·6	...	14°489	+8°253	-4	...	...
4I	...	...	...	...	...	10I	...	...	...	...	...	16I	...	...	...	...	...
*	-38°765	-59°553	0·70	...	...	S*	-9°251	-6°942	1·20	44· 421	9·4	...	+14°568	+35°425	-3	a	...
...	38°449	-32°990	1·00	44· 417	9·9	†	9°235	+39°751	-3	...	...	...	14°770	+17°578	-5	...	...
...	38°192	-32°913	-5	M	...	...	9°146	+1°669	-5	M	...	...	14°820	+29°925	-4	...	...
...	38°113	-54°815	-3	B	...	...	8°853	+15°119	-4	...	...	...	14°874	-55°603	-5	...	...
...	37°810	-8°670	-4	M	...	*	7°733	+50°424	1·00	...	...	...	15°196	+19°163	-3	...	...
...	-37°292	+59°243	-5	...	...	...	-7°690	-53°560	-4	...	...	*	+15°447	-5°997	1·00	44· 430	10·4
...	36°534	-12°049	-4	M	...	...	7°654	+53°723	-4	...	...	...	15°705	-10°144	-5	...	...
...	34°190	-8°439	-4	M	...	...	7°556	+1°601	-4	...	...	...	16°031	+37°687	-5	...	...
*	33°940	-46°976	1·15	44· 418	10·4	...	6°851	+20°682	-5	...	...	*	16°407	+41°454	1·00	...	...
...	33°844	-36°680	-5	M	...	...	5°935	-9°402	-2	...	...	...	16°636	-52°393	-5	...	...
5I	...	...	...	...	...	11I	...	...	...	...	...	17I	...	...	...	...	...
...	-33°371	-19°404	-5	M	...	...	-5°555	+31°761	-5	...	...	*	+17°019	-56°469	1·60	45· 399	9·2
...	33°327	-45°349	-5	M	...	...	5°141	+29°428	-2	...	...	...	17°459	-26°051	-3	...	...
*	33°204	-37°734	1·00	...	...	...	5°037	+24°166	-5	...	...	*	17°568	-4°306	1·10	44· 431	10·4
*	31°688	+20°956	1·10	43· 410	10·3	†	4°902	-32°301	0·80	...	...	...	18°148	-38°357	-3	...	...
...	31°627	+49°725	-3	...	...	*	4°419	-34°429	2·20	44· 422	8·1	...	18°408	+51°795	-5	m	...
...	-31°572	-30°048	-5	M	...	...	-4°412	+7°782	-5	M m	...	...	+18°883	-46°031	-5	...	...
...	30°447	-38°354	-3	...	...	...	3°382	+4°715	-2	...	...	*	19°290	-34°515	1·10	44· 432	10·2
*	29°356	-46°578	2·00	44· 419	8·6	...	3°258	+47°348	-4	...	...	...	19°624	+6°982	0·70	...	...
...	27°398	-45°141	-3	B	...	...	3°252	-18°887	-4	...	...	...	19°672	+54°727	0·65	...	...
...	27°023	+55°346	-5	...	...	...	3°002	-54°369	0·80	...	...	...	20°208	+36°070	0·90	...	...

B measured from 1, 135.
CH " " 69, 219.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
181-210						211-240						241-263						
181	+20'968	+1'400	0'70	...	...	211	+31'581	+32'553	-5	m	...	241	+47'001	+39'088	-4	...	...
...	20'975	-32'682	-2	...	...	...	31'754	+3'952	-5	...	...	...	47'208	+12'301	1'15	43. 420	10'3
...	21'200	+28'203	-5	...	...	...	31'997	-48'199	-5	...	...	...	47'811	-15'426	0'70	...	...
...	21'933	-39'785	0'90	...	...	...	32'190	+49'932	-3	...	...	...	47'834	+1'801	-2	...	...
...	21'971	-52'057	-5	...	...	...	33'200	+7'572	-5	...	...	...	49'424	-13'457	-3	...	...
†	+22'973	-24'954	-5	...	...	...	+33'632	-41'799	0'90	...	...	...	+49'486	-40'272	-2	...	...
...	23'033	-44'220	-3	34'019	+0'231	0'70	a	*	49'566	+22'852	1'05
...	23'425	+7'785	-5	m	34'696	+13'588	-5	50'858	-35'900	0'90
...	23'466	+23'767	-4	35'449	-25'596	-5	51'304	-19'256	-5
...	24'255	-26'676	0'90	35'474	+18'901	-5	m	51'317	+7'799	-4
191	+24'519	+2'141	-3	...	...	221	+35'779	-25'405	-5	...	...	251	+51'906	-44'319	0'70	...	...
...	24'944	+53'324	-3	36'226	-28'847	0'75	53'245	-52'321	-5
†	25'036	+10'353	1'10	43. 415	10'4	*	36'494	-27'345	1'05	44. 434	10'4	S*	53'646	+52'479	2'70	43. 422	8'1	
†	25'069	-47'762	0'80	37'556	-30'876	-5	m	54'153	+48'313	-2
...	25'140	-18'582	-5	37'971	-25'282	-2	54'210	-33'819	-5
...	+25'368	+4'779	-3	*	+38'075	+22'455	1'40	43. 417	8'6	+54'246	+38'092	-3
*	25'633	+10'943	1'00	38'799	+5'890	-3	55'457	-33'777	-5
...	26'217	-46'678	-4	39'047	-21'232	-2	55'895	-56'281	-5
...	26'459	-37'818	0'70	39'636	+32'060	-4	56'790	-37'755	0'90
...	26'537	+25'202	-4	39'782	-56'917	-1	56'807	-34'418	-5
201	+26'622	+58'412	0'70	...	...	231	+40'134	+33'606	1'30	43. 418	9'8	261	+57'775	-47'108	-5	...	...
...	26'754	+4'717	-5	40'650	-24'021	-3	58'037	+45'756	-5
...	26'828	-26'498	0'90	41'823	+46'061	-5	58'876	+40'496	-5
...	26'866	-38'903	-5	...	...	...	42'647	+7'198	-3	...	...	...	...	...	...	...	...
...	27'058	-59'476	0'90	...	...	...	42'971	+1'719	-2	...	...	...	...	...	...	...	...
*	+27'396	+28'161	1'20	43. 416	10'0	S†	+45'015	-16'208	1'30	44. 435	9'2	...	...	...	...	...	...
...	27'713	-27'641	0'70	...	...	†	45'116	+48'723	3'00	43. 419	7'4	...	...	...	...	...	...
*	27'817	-24'695	1'20	44. 433	9'8	...	45'703	+19'415	-4	...	...	...	...	...	...	...	...
...	29'006	-21'188	-5	...	...	...	45'884	-3'738	-4	...	...	...	...	...	...	...	...
...	29'531	-53'576	-3	...	...	...	46'972	-25'264	-1	...	...	...	...	...	...	...	...

1-20						21 40						41 60						
Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1	-59'629	-15'604	0'80	...	...	21	-45'233	+41'927	-1	...	...	41	-37'617	-49'216	-4	...	...
†	59'032	+22'708	0'75	...	...	†	44'671	+8'913	-2	...	...	...	37'406	+16'188	-2	...	...
...	58'079	-13'590	-4	...	...	...	44'409	+48'778	0'80	...	...	...	37'173	-6'687	0'70	...	...
...	57'197	-40'386	-3	...	...	...	44'047	-7'933	-4	...	...	...	34'378	-10'536	-3	...	...
...	56'841	+7'714	-4	...	...	...	43'958	+7'249	-4	...	...	...	* 34'183	-45'949	1'40	44. 436	10'2	
...	-55'985	-35'978	0'75	...	...	...	-43'756	+3'616	-4	...	...	...	...	-34'065	-19'932	-1	...	...
S*	55'861	+52'443	3'00	43. 422	8'1	...	43'480	-37'003	-5	...	...	...	*	33'720	-7'317	1'00	...	...
...	55'224	+48'285	-2	...	...	...	43'277	-58'466	-1	...	...	...	S*	33'469	-1'474	1'00	44. 437	10'4
...	54'835	+38'082	-2	...	...	*	42'949	+15'023	1'20	43. 423	10'2	...	...	33'420	-5'305	-4	...	...
†	54'678	-44'359	0'70	...	...	...	42'031	-45'416	0'70	...	...	...	...	33'125	-17'617	0'65	...	...
11	-53'079	-52'340	-5	...	...	31	-41'694	-49'028	-4	...	...	51	-31'773	-14'639	-2	...	...
...	51'450	-33'719	-5	...	...	...	41'215	+50'420	0'70	...	...	...	...	31'225	-37'047	0'90	...	...
...	51'258	+45'846	-5	...	...	...	40'894	-35'417	-5	...	...	...	*	31'150	-3'171	1'00	44. 438	10'4
...	50'340	-56'183	-5	...	...	S*	39'171	+6'580	1'75	43. 424	8'4	...	...	30'453	+11'319	-3	...	...
...	50'063	-34'316	-5	...	...	*	38'381	+22'103	1'15	43. 425	10'0	...	...	29'835	+0'475	-3	...	...
...	-49'995	-37'655	-1	...	...	...	-38'249	+4'275	-4	...	...	...	...	-27'423	+54'432	0'70	...	...
...	48'716	-46'972	-3	...	...	*	38'188	-13'116	1'00	...	...	...	...	27'385	-54'267	-5	...	...
...	46'935	+27'448	0'70	...	...	...	38'103	+10'226	-4	...	...	...	...	† 27'260	-39'893	-5	...	...
...	46'675	+22'929	-3	...	...	...	37'737	+5'534	-3	...	...	...	...	24'995	-8'309	-5	...	...
...	45'509	+27'907	-2	...	...	...	37'635	+2'685	0'85	...	...	...	...	23'043	+4'010	-4	...	...

CH measured from 1. 100
B 56. 158.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
61-120						121-180						181-237						
61	-21°935	-1°412	-4	...	...	121	+9°398	+33°613	1·05	43·427	10·2	181	+38°767	+28°719	0·90	...	...
...	21°554	+13°651	-5	...	...	...	9°418	-28°570	-1	...	...	...	39°452	+15°671	-4	...	...
...	21°071	+44°471	-5	...	...	...	10°247	-47°303	-5	...	...	...	40°499	-10°588	-2	...	...
...	21°048	+42°385	-4	...	...	...	11°254	-48°230	-5	...	...	...	40°527	+38°198	-4	...	...
...	20°417	-36°511	-2	...	...	...	11°648	-28°133	-5	...	...	...	40°634	+55°163	-5	...	...
...	-19°822	-11°335	-4	...	...	...	+12°706	-58°829	-4	...	...	...	+40°722	-4°494	-1	...	...
...	19°194	+15°714	-3	...	...	...	12°810	-11°468	-5	...	...	...	* 41°041	+36°079	1·20	43·430	10·2
...	18°558	+47°589	-2	...	...	...	13°758	-17°839	-5	<i>m</i>	...	...	41°483	+28°834	-5	...	...
...	* 17°238	-33°596	1·00	44·439	10·4	...	* 14°363	-10°449	1·10	44·449	10·2	...	* 42°032	-12°889	1·00	...	...
...	16°853	+22°117	-1	...	...	...	14°630	+50°844	0·75	...	...	...	* 42°405	-9°213	1·00	44·456	10·4
71	-16°438	+40°493	-5	<i>M</i>	...	131	+15°159	+37°970	-2	...	...	191	+42°730	-39°526	-4	...	...
...	* 16°389	-53°471	1·50	44·440	8·8	...	* 15°563	+18°152	1·10	43·428	10·4	...	42°772	-30°651	-5	...	...
...	15°530	-11°994	-4	...	...	...	15°959	+1°618	-4	...	...	...	43°124	-36°988	-4	<i>b</i>	...
...	15°348	+39°907	-3	...	...	...	17°537	+9°298	-2	...	...	...	* 43°168	-48°194	-4	...	...
...	13°838	-8°578	-4	...	...	...	17°538	-4°490	-3	...	...	...	44°031	-42°389	1·30	44·457	10·0
...	-13°781	+22°361	-5	* +17°723	-58°466	1·20	45·424	9·8	+44°357	+33°442	0·90
...	13°248	+31°714	-3	...	...	...	17°961	+5°803	-5	...	...	...	44°694	-27°523	-3	...	...
...	13°122	+45°207	-2	...	...	...	18°318	-40°580	-2	...	...	...	44°744	-0°928	-5	<i>m</i>	...
...	11°578	-10°291	-5	...	...	...	19°669	+50°182	-1	...	...	...	45°370	-2°463	-4	<i>m</i>	...
...	* 10°841	-48°704	1·10	44·441	10·4	...	19°711	-21°199	-5	...	...	...	45°737	-0°025	-4	<i>m</i>	...
81	-9°395	-42°541	-5	...	...	141	+19°929	+16°594	-3	...	...	201	* +46°292	-33°696	1·30	44·458	10·0
...	* 8°766	-27°240	1·40	44·442	8·6	...	22°343	-1°152	-2	...	...	...	47°562	+21°173	0·90	...	...
...	† 8°721	+44°779	-1	...	...	...	23°376	-34°245	0·70	...	...	...	* 47°806	-25°209	1·00	...	...
...	8°651	+51°189	-5	...	...	...	<i>n</i> * 23°546	-51°599	1·30	...	...	...	48°110	+11°556	-4	...	...
...	* 8°353	-52°705	-5	...	...	...	<i>n</i> * 23°639	-51°759	1·40	44·451	8·5	...	48°666	+24°231	-5	...	...
...	-8°294	-1°097	1·10	44·443	10·2	...	* +23°859	-27°160	1·15	44·450	10·2	+49°033	+50°865	0·90
...	7°382	+36°318	-5	<i>M</i>	...	...	24°062	-13°462	-2	...	...	...	49°066	-13°918	-5	...	...
...	7°355	+18°965	-1	...	...	...	24°091	+39°711	0·80	...	...	...	49°458	+56°199	-5	...	...
...	<i>S</i> * 7°000	-37°413	2·20	44·444	7·6	...	27°158	-2°089	-1	...	...	...	50°162	+52°043	-4	...	...
...	* 5°937	-7°779	1·40	44·445	8·6	...	* 27°354	-55°534	1·30	44·452	9·6	...	51°554	-46°472	0·90	...	...
91	-5°780	+22°432	1·00	151	+27°500	+56°470	-2	211	...	+51°665	-50°809	-5
...	<i>S</i> * 4°674	-56°179	2·05	45·414	8·1	...	28°868	+43°042	-4	51°947	+40°335	-4
...	4°472	-10°543	-5	<i>m</i>	29°173	+16°070	0·90	52°084	+53°051	-4
...	<i>S</i> * 4°423	-17°307	1·20	44·446	9·4	...	29°275	-30°478	-4	52°407	-57°689	-5
...	2°714	-44°020	-5	<i>m</i>	29°680	-16°119	-3	52°741	+46°366	-3
...	-2°600	+58°082	-5	+29°774	+21°366	-4	+52°783	-39°469	0·70
...	2°275	-49°264	-3	29°851	+21°075	-3	53°249	-41°222	0·75
...	2°068	+18°208	0·75	30°317	+36°045	-3	53°409	+23°030	0·70
...	* -0°720	-2°757	1·10	44·447	10·4	...	30°437	-55°615	-4	53°412	+33°748	0·80
...	+0°609	-18°321	-5	30°917	-9°243	-5	<i>m</i>	54°326	+59°032	-4
101	+0°678	+28°515	1·13	43·426	10·0	161	+31°539	-32°338	-4	...	...	221	† +54°404	+39°709	1·20	43·431	9·8
...	0°858	+39°486	-2	...	...	...	* 31°720	-19°429	1·00	44·453	10·4	...	† 54°891	-28°099	-5	<i>e</i>	...
...	0°991	-46°488	-3	...	...	...	* 32°087	-37°047	1·00	...	...	...	† 55°073	+43°580	1·10	...	...
...	1°766	+53°204	-5	32°206	-18°653	-4	55°170	-13°327	-4
...	1°901	-41°769	-5	<i>m</i>	32°446	-40°173	-3	* 55°595	-6°269	1·10	44·459	10·4
...	+3°248	-48°387	-3	+33°068	+19°388	-4	* +56°260	-31°694	1·00
...	4°682	-20°162	-3	33°262	-0°969	-1	56°369	-39°684	-5
...	5°422	-23°083	-5	34°017	-15°904	-5	<i>m</i>	56°736	-4°375	0·90
...	5°659	-56°112	-5	34°194	+2°992	-1	56°908	-12°310	-5	<i>e</i>	...
...	6°403	+42°385	-4	35°712	+16°319	-4	56°978	+41°601	-5
111	+6°441	-27°512	-2	171	+36°478	-56°950	-4	231	...	+57°194	-51°018	-3
...	6°850	+14°700	-4	<i>S</i> * 36°807	-39°564	2·00	44·454	8·5	57°379	-48°954	-3
...	7°146	+51°001	-2	36°964	-20°173	-5	<i>m</i>	* 57°558	-19°130	1·80	44·460	8·6
...	7°334	+14°369	-4	37°122	-13°992	-5	<i>m</i>	58°641	+15°302	-5
...	7°389	+54°257	-2	37°213	+7°883	-4	* 58°852	+34°505	1·80	43·433	8·8
...	+7°707	+11°796	0·70	* +37°272	+56°590	1·10	+59°652	-20°544	-3	...
...	7°731	-39°257	-1	37°272	+41°409	-3	* 59°705	-26°330	1·10	44·461	10·4
...	8°051	-10°795	-4	<i>m</i>	37°795	+14°653	-2
...	* 8°154	-22°978	1·10	44·448	10·2	...	* 38°254	-32°580	1·60	44·455	8·6
...	* 8°458	+27°768	1·00	* 38°490	+46°857	1·10

144, 145. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60																	
I						61						121					
*	-59.350	-25.364	1.10	...	...	...	-36.793	+28.602	-5	...	...	...	-10.268	+42.603	-4	...	...
...	59.331	+51.897	-4	...	...	*	36.043	+37.111	1.50	43. 436	9.4	...	9.020	-34.508	1	...	...
...	58.429	-14.058	-5	...	...	...	35.978	+41.703	-5	...	...	...	8.850	-23.657	-5	...	...
...	57.693	-33.880	-5	M	...	...	35.675	-47.948	-4	...	...	S*	8.572	-2.451	2.80	44. 472	8.6
...	57.441	+52.973	-5	...	...	...	35.543	+20.029	-5	...	...	...	8.425	-8.874	0.75	...	...
...	-57.201	+40.257	-2	...	...	...	-35.182	-36.527	-1	...	...	...	-8.317	-9.051	4	...	...
...	56.578	+46.306	-2	...	...	...	34.775	+24.456	-5	...	...	...	8.192	+46.834	-5	...	...
*	55.529	+33.722	1.10	...	...	...	33.766	+45.363	-4	...	...	*	7.106	-26.230	1.20	44. 473	10.4
...	55.385	+59.033	-5	...	...	...	33.523	-9.332	-4	M	...	...	5.635	54.072	1.20	...	...
...	55.303	-2.002	-5	M	...	...	33.199	+38.417	-4	...	...	...	5.500	-15.706	-5	m	...
61-120																	
...	-55.225	+23.004	-2	...	...	71	-33.166	+22.419	-5	...	...	131	-4.845	-5.414	1.45	44. 474	9.8
†	54.949	-46.512	0.90	...	...	...	32.050	-13.948	-1	...	...	...	4.378	+48.888	-5	m	...
*	54.713	+39.718	1.40	43. 431	9.8	...	31.886	+11.758	-4	...	...	...	4.218	-5.909	-3	A m	...
...	54.706	-50.865	-5	...	...	...	31.194	+44.199	-2	...	...	...	3.905	-46.836	1.40	44. 475	10.3
*	54.178	+43.591	1.30	...	...	...	30.214	-30.152	1.10	...	...	...	3.793	+48.157	0.80	...	...
...	-53.941	-39.481	-2	...	...	...	-28.959	-23.121	-5	M	...	...	-3.698	-17.277	-4	m	...
...	53.749	-57.697	-5	...	...	...	28.338	+12.652	-1	...	...	...	3.538	+31.908	-1	...	...
...	53.417	-41.210	0.70	...	...	...	27.506	+20.076	0.90	...	...	...	3.353	-18.731	-3	...	...
...	52.346	-13.274	-5	...	...	...	27.224	+12.619	-5	...	...	...	2.902	+10.251	-3	...	...
...	52.206	+41.677	-5	...	...	...	27.198	+40.936	-1	...	...	...	2.790	-11.113	-4	...	...
121-180																	
21	-52.179	-28.045	-5	E	...	81	-26.755	-32.122	1.60	44. 467	9.4	141	-2.664	-15.322	-5	M m	...
*	52.147	-6.211	1.30	44. 459	10.4	...	26.303	-33.044	-5	...	...	...	2.477	-13.201	-5	M m	...
...	51.053	-4.282	0.70	...	...	...	25.178	-52.548	-5	...	...	...	2.119	+0.837	0.90	a m	...
*	50.691	-31.596	1.10	...	...	...	24.893	-51.101	-4	...	...	...	2.050	+24.359	0.90	...	...
...	50.643	-12.214	-5	E	...	...	24.885	-13.508	-3	...	...	*	1.042	-17.583	1.20	43. 441	10.4
...	-50.348	-39.584	-4	...	...	...	-24.418	+56.341	2.20	43. 437	8.2	...	0.253	+6.237	-5	M m	...
S*	50.117	+34.644	2.30	43. 433	8.8	...	23.809	-4.994	0.65	...	...	...	0.667	+40.139	-5	...	...
S*	49.784	-19.003	2.40	44. 460	8.6	...	23.708	-47.222	-5	M	...	...	0.820	-41.545	0.80	...	...
...	49.761	+15.437	-5	...	...	...	23.611	+40.345	-5	...	...	...	1.007	+22.878	-5	m	...
...	49.176	-50.881	-2	...	...	...	23.598	+23.670	-5	...	...	...	1.101	-7.649	-1	...	...
181-240																	
31	-49.108	+14.991	-4	...	...	91	-23.104	+42.550	1.20	...	...	151	+1.466	-44.321	-4	...	...
†	49.053	-48.824	-2	...	...	...	23.081	-9.571	1.00	...	...	...	1.635	-1.197	3	...	...
...	49.042	+0.378	-5	M	...	...	22.849	-55.987	-5	M	...	...	2.116	+45.673	4	...	...
...	47.655	-20.351	-3	...	...	...	22.500	-19.612	0.90	...	...	...	2.489	-39.124	-5	M m	...
*	47.416	-26.130	1.40	44. 461	10.4	...	22.476	+32.175	-5	...	...	...	2.528	-35.167	-5	M m	...
S*	-46.991	+7.862	2.60	43. 434	8.2	...	-22.473	+13.099	-5	M	...	...	+2.820	-52.725	0.90	...	...
...	46.800	-20.777	-5	...	...	...	21.332	+50.509	-2	...	...	...	2.847	-17.448	-5	M m	...
*	46.637	-19.667	1.40	44. 462	10.2	...	20.403	+17.980	1.00	...	...	...	3.057	-12.012	-3	...	...
...	46.448	-46.871	-5	...	...	...	20.394	+5.535	-5	...	...	...	3.311	+29.477	1.10	...	...
...	46.171	+39.874	-4	...	...	...	20.171	-22.602	0.65	...	...	...	3.608	-12.224	-5	M m	...
241-300																	
41	-45.438	+24.069	0.90	...	...	101	-20.107	-41.504	1.40	44. 468	9.0	161	-3.852	-57.660	1.30	43. 442	9.8
...	45.208	-33.643	-5	M	...	S*	19.744	+45.054	0.70	...	...	...	4.334	-25.554	-5	...	...
...	44.571	+53.696	-5	...	...	...	19.040	-3.085	-1	...	...	...	4.641	-26.028	-5	M m	...
*	43.746	+0.295	1.05	a	...	...	18.824	-36.859	1.40	44. 469	10.0	...	5.062	-29.817	-4	...	...
...	42.563	+58.558	-4	...	...	...	18.490	-35.542	-2	...	...	...	5.115	-32.528	-4	...	...
*	-42.186	-39.159	1.25	44. 463	10.2	...	-18.465	-15.637	1.40	44. 471	10.0	S*	-5.980	+18.827	3.00	43. 443	7.8
...	41.655	+41.980	1.30	...	...	...	18.385	-35.645	1.15	44. 470	10.0	...	6.354	+39.012	-4	...	...
S*	41.581	-30.683	4.65	44. 464	6.8	...	17.176	-11.141	-3	...	...	*	6.699	-46.040	2.40	43. 444	8.8
*	41.148	+1.896	1.25	44. 465	10.4	...	16.545	-44.087	-2	...	...	†	6.877	-49.801	-5	...	...
*	40.507	-31.164	2.50	44. 466	8.3	S*	16.133	+58.453	2.90	43. 439	7.8	...	6.954	-17.874	-5	...	...
301-360																	
51	-40.027	-14.735	-3	...	...	111	-15.931	-34.954	-4	...	...	171	-8.094	-42.171	-5	...	...
†	39.490	+28.261	-3	...	...	...	15.759	-6.474	-1	...	...	...	8.327	-15.840	-2	...	...
...	39.202	-32.931	1.05	...	...	...	15.713	+10.498	-3	...	...	...	8.507	20.672	5	m	...
...	39.173	-16.607	-3	...	...	...	15.371	-0.832	0.85	...	...	...	8.731	10.831	-4	...	...
...	38.565	+4.941	-3	...	...	...	15.267	+28.318	1.30	43. 440	10.2	*	8.873	-38.724	1.20	43. 445	10.4
*	-38.097	+16.624	2.50	43. 435	8.3	†	-14.503	-49.812	-3	...	...	...	9.250	11.008	0.90	44. 476	10.4
...	37.657	+38.436	5	...	...	...	13.849	-28.142	-2	...	...	...	9.590	-18.337	0.65	...	...
...	37.240	+4.052	-2	...	...	...	13.524	+7.713	-4	...	...	...	11.070	-52.673	-5	...	...
...	37.237	+57.883	-5	...	...	...	12.252	-50.357	-5	M	...	...	11.384	43.501	5	...	...
...	36.844	-38.836	-5	M	...	...	11.444	29.430	3	...	...	...	11.547	44.933	5	...	...

CH measured from 1
S 117

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.						
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.					
181-220						221-260						261-290										
181	...	+11·713	+30·716	-5	m	...	221	...	+26·783	+3·022	0·80	...	261	...	+44·545	-36·056	-3	...	...	
...	...	11·845	-56·566	-5	...	...	...	...	27·949	-36·193	1·60	44·479	9·4	...	...	45·080	-34·306	1·00	...	...
*	...	12·134	+4·475	1·30	43·446	10·2	...	...	28·074	-2·941	0·75	...	...	...	...	45·316	-26·223	-5	m	...	
...	...	12·356	-44·068	-4	...	...	...	...	28·259	+54·386	-5	...	...	...	...	46·419	+11·945	-5	m	...	
†	...	12·895	+54·965	-3	...	...	...	...	29·939	-21·511	-5	m	...	...	...	46·658	-53·026	-5	...	...
...	...	+13·038	+49·738	-5	...	...	...	...	+30·598	+45·212	1·10	...	...	...	...	+46·670	+17·031	-4	...	...
*	...	13·631	+41·830	1·20	43·447	10·4	...	...	30·767	+0·053	1·00	a	...	...	...	46·956	-40·006	1·00	44·486	10·4	
...	...	13·708	+33·041	-4	...	...	...	...	31·350	+3·480	-5	...	...	...	...	47·438	-35·221	-5	e	...	
...	...	13·769	-35·826	-5	...	...	...	...	31·762	-17·955	-4	...	...	...	...	47·599	-53·124	-5	...	...
...	...	13·817	-4·430	-4	m	...	...	...	31·865	-49·381	1·40	44·480	10·0	...	...	47·645	+33·101	-5	...	...
191	...	+14·053	-39·744	-5	...	...	231	...	+32·334	-14·762	-3	...	...	...	271	...	+48·295	-8·270	0·70	...	...
...	...	14·459	-44·381	-3	...	...	...	...	32·364	+2·697	-2	...	...	...	...	...	48·463	+25·427	2·20	43·452	8·8
S †	...	14·602	-15·030	2·80	44·477	7·3	...	...	32·577	-19·696	-5	...	...	...	...	...	48·517	-54·186	-5	...	...
...	...	14·619	-44·440	-5	...	...	...	...	32·745	-19·607	1·10	...	...	...	...	...	49·746	-7·870	0·90	...	...
...	...	15·288	-49·252	-4	...	...	...	...	36·248	-4·738	1·10	...	...	...	...	...	50·024	-56·115	1·10	44·488	9·8
...	...	+15·339	+7·181	0·70	...	...	...	...	+36·367	-52·623	-4	...	...	...	...	...	+50·063	-26·266	1·20	44·487	9·8
...	...	16·062	+31·177	-1	...	...	...	...	37·307	+15·742	-4	...	...	...	...	...	50·474	+28·686	-5	e	...
...	...	16·408	+40·796	-5	...	...	...	...	37·397	+28·918	-3	...	...	...	...	...	50·870	+17·572	0·70	...	...
...	...	17·085	-12·112	-5	...	...	...	...	37·793	+31·994	-2	...	...	...	...	...	51·828	-53·655	-5	...	...
...	...	17·342	-39·025	-3	...	...	...	...	37·884	+44·062	1·10	...	...	...	...	...	S* 52·368	+40·231	1·50	43·453	9·3
201	...	+18·393	+34·216	-3	...	...	241	...	+38·087	-1·646	0·70	...	...	...	281	...	+53·136	-27·465	-4	...	...
...	...	18·755	-28·321	-3	...	...	...	...	38·180	-41·089	-3	...	...	...	...	...	54·499	+26·199	-5	...	...
*	...	18·861	-1·234	1·10	...	...	S*	...	38·928	-52·963	1·50	44·481	9·4	...	...	...	54·794	+13·911	-5	...	...
*	...	19·068	-57·478	2·80	45·452	8·6	...	...	39·425	-58·332	-4	...	...	...	...	...	54·887	+16·062	-4	...	...
...	...	19·223	+45·671	-4	...	...	...	...	39·476	+21·877	0·70	...	...	...	...	...	55·497	+53·494	-4	...	...
†	...	+19·705	+4·433	0·90	...	...	...	...	+40·533	-42·937	-2	...	...	...	...	...	+56·276	+3·749	0·90	...	...
*	...	20·632	+43·213	1·20	...	...	...	...	41·141	+57·922	-4	...	...	...	...	...	56·913	-9·146	-5	...	...
†	...	21·076	+15·041	-5	...	...	...	...	42·114	+44·271	0·70	...	...	...	...	...	* 58·234	+23·209	1·60	43·456	9·4
...	...	21·740	+25·569	0·70	...	...	...	...	42·138	-42·845	2·00	44·482	9·2	...	...	...	* 58·969	+7·664	1·10	...	...
...	...	21·857	-6·647	-2	42·173	-58·709	-4	59·237	+27·237	-5
211	...	+22·255	+11·698	-3	...	...	251	...	+42·524	-14·364	1·00	44·483	10·4	...	...	...	...	...	...	...	...
S*	...	23·316	-23·469	4·60	44·478	6·4	...	...	42·752	+21·339	-4	...	...	...	...	...	...	...	...	...	...
S*	...	23·407	+46·077	1·60	43·448	9·2	...	...	43·148	+7·683	1·40	43·451	10·4	...	...	...	...	...	...	...	...
...	...	23·456	-43·719	-5	...	...	...	...	43·449	-11·452	1·10	44·484	10·4	...	...	...	...	...	...	...	...
*	...	23·630	+37·578	2·00	43·449	8·6	...	...	43·649	+15·942	-5	...	...	...	...	...	...	...	...	...	...
...	...	+23·833	+56·079	-3	...	...	...	...	+43·687	-3·220	-4	...	...	...	...	...	...	...	...	...	...
S*	...	23·911	+5·800	1·65	43·450	9·0	...	...	43·787	-13·894	1·30	44·485	10·2	...	...	...	...	...	...	...	...
...	...	24·939	-57·021	-4	...	...	...	...	44·083	-4·378	-5	m	...	...	...	...	...	...	...	...	...
...	...	26·054	-3·465	0·90	...	...	...	...	44·133	-38·542	-4	...	...	...	...	...	...	...	...	...	...
...	...	26·203	-8·031	0·80	...	...	...	...	44·353	+30·355	-4	...	...	...	...	...	...	...	...	...	...

1-10						11-20						21-30									
I	...	-59·408	-35·392	-5	° E	...	11	...	-56·185	-56·192	1·10	44·488	9·8	21	...	-50·389	+23·324	1·25	43·456	9·4	
...	...	59·369	-8·437	-1	...	...	...	...	54·469	-53·729	-5	...	...	...	...	50·098	-40·950	-5	M	...	
...	...	58·704	-53·295	-5	...	...	...	...	54·225	+26·206	-4	...	...	...	...	49·509	+27·383	-4	...	...
...	...	58·309	+28·579	-5	E	...	...	...	54·045	+53·518	-4	...	...	...	...	49·228	-14·224	-5	M	...	
*	...	57·927	-7·995	0·95	...	...	...	...	53·940	-27·468	-3	...	...	...	...	* 49·199	+7·816	1·00	...	...
...	...	-57·861	-40·070	-5	...	...	...	...	-53·560	+13·930	-3	...	...	...	...	...	-49·141	+11·563	-5	M	...
...	...	57·737	-54·311	-5	...	...	...	...	53·521	+16·080	-1	...	...	...	...	...	48·369	+43·388	-5	...	...
...	...	57·583	+17·459	-3	...	...	...	...	* 51·760	+3·823	1·00	...	...	...	...	...	47·243	-34·948	-4	...	...
*	...	57·054	-26·373	1·10	44·487	9·8	...	...	51·071	-51·179	-5	M	...	...	...	...	46·875	+32·493	-5	M	...
S †	...	56·773	+40·171	1·38	43·453	9·3	...	...	50·723	-9·049	-4	...	...	...	...	...	46·528	-39·125	-3	...	...

B measured from 1, 189.
S " " 87, 287.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-46.339	+51.480	-4	...	...	91	-29.018	+14.868	-4	M	...	151	-14.227	-29.355	-1	...	...
...	46.322	+9.417	-4	...	...	...	28.970	-15.287	-4	M	...	...	13.478	-1.798	0.95	...	...
*	46.135	-43.887	1.10	44. 489	9.8	N	28.828	-34.951	0.80	A	...	...	13.466	+8.187	0.75	...	...
*	46.130	+57.060	1.20	...	...	...	28.260	-18.162	-5	M	...	...	13.317	-32.445	-4	M	...
...	45.963	+24.176	-3	...	...	...	28.249	+11.446	0.75	...	...	...	13.294	-15.292	0.75	...	...
...	-45.664	-49.057	-4	...	...	...	-28.137	-37.526	0.70	...	...	...	-12.859	-48.666	0.80	...	...
...	45.604	+10.051	-4	...	...	...	28.025	+26.180	-2	...	...	*	12.562	-19.717	1.10	44. 500	9.6
...	45.352	+20.784	-4	...	...	...	28.018	-4.274	0.80	...	...	...	11.841	+3.399	-5	M	...
...	45.181	+40.369	-3	...	...	*	27.940	-13.252	1.10	44. 492	9.8	...	11.780	+31.858	-5	M	...
...	44.475	-14.353	-2	...	...	...	27.552	-6.517	-5	M	...	...	11.366	-3.274	-2	A	...
41	-43.880	-25.637	-5	M	...	101	-27.171	-57.515	-5	M	...	161	-11.247	-28.724	0.65	...	...
...	43.868	-25.719	-4	M	...	...	27.126	+32.353	-5	M	...	...	10.378	-33.631	-4	M	...
...	43.564	-5.733	-4	M	...	*	26.856	-24.851	1.00	...	...	...	10.211	-56.327	-5	...	...
...	43.535	+4.504	-3	A	...	...	26.601	+30.695	-1	...	...	...	10.196	-17.456	-5	M	...
...	43.321	-26.490	-3	...	...	...	26.471	-26.638	-5	M	...	*	9.328	-10.207	1.05	...	...
...	-43.285	-2.844	-4	M	...	...	-26.314	-15.940	-2	...	...	*	9.044	+5.612	1.10	...	...
...	43.259	+55.430	-3	...	...	*	26.030	+38.844	1.10	43. 466	9.8	*	8.439	-10.092	1.40	44. 501	8.8
*	43.117	-17.618	1.15	44. 490	9.6	...	25.365	-23.767	-2	...	...	...	8.204	+45.925	0.85	...	...
...	42.652	-25.474	-5	M	...	+	25.036	+35.047	1.30	43. 467	8.6	...	7.535	+0.933	-4	M	...
...	42.329	+31.354	-4	...	...	*	24.923	-46.078	1.10	44. 493	9.8	...	7.129	-53.280	-5	M	...
51	-42.146	-42.102	-3	B	...	111	-24.810	-33.958	0.80	...	...	171	-6.568	-56.101	1.15	43. 469	9.8
...	41.438	-41.340	-3	...	...	...	24.070	+9.706	-5	M	...	...	6.358	-19.508	-5	M	...
...	41.112	+19.197	-4	...	...	*	23.935	-31.160	1.10	44. 494	9.6	S*	5.962	-21.277	1.38	43. 470	8.8
...	40.450	-42.945	-3	...	...	...	23.788	+5.371	-4	M	...	...	5.836	-8.460	-5	M m	...
...	40.436	+2.580	-1	...	...	...	23.439	+28.880	0.65	...	...	...	5.564	-11.500	0.80	...	...
...	-40.045	-24.996	-3	...	...	...	-23.070	+22.569	-2	...	...	*	5.202	-40.916	0.90	...	...
+	39.954	+54.958	1.20	43. 458	9.6	...	23.041	-6.858	-2	...	...	...	5.093	-48.439	0.75	...	...
+	39.769	+16.049	-3	...	...	*	22.824	-11.028	1.15	44. 495	9.8	...	4.464	-30.329	-5	M m	...
...	39.649	+46.560	-2	...	...	...	22.759	+5.747	-5	M	...	...	3.295	-43.002	-5	M m	...
*	39.594	+57.951	1.45	43. 459	9.7	S*	22.380	-29.283	1.95	44. 496	8.3	...	3.155	-10.898	-2	B m	...
61	-39.400	-58.542	1.15	...	...	121	-21.305	-30.945	-5	M	...	18	-3.123	+51.968	-4	...	...
...	38.933	+54.777	-5	M	...	...	21.236	-15.725	-3	...	...	...	2.949	-30.406	0.65	...	...
*	38.310	-10.762	1.00	...	...	...	21.162	+44.683	-5	...	...	...	2.916	+51.172	-5	M m	...
*	38.107	+57.145	1.10	...	...	...	20.395	+7.612	-4	M	...	...	1.988	-47.051	0.80	...	...
*	38.073	-24.381	1.10	44. 491	9.8	...	20.346	+36.352	-5	M	...	...	1.812	-56.110	0.85	...	...
...	-37.753	+24.631	-5	M	...	S+	-19.846	-23.030	1.33	44. 497	8.8	+	1.275	+30.231	-2	...	...
...	37.637	+34.980	-3	...	...	...	19.714	+51.263	-4	...	...	...	1.063	-7.369	-5	M m	...
...	37.436	-17.227	-4	...	...	...	19.562	-48.819	-2	...	...	...	-0.684	-7.800	-5	M m	...
*	37.346	+6.982	1.10	43. 460	9.7	*	19.009	-37.266	1.05	44. 498	9.8	...	+0.025	+52.955	-1	...	...
*	36.940	+46.249	1.45	43. 461	9.4	*	18.891	+16.860	1.10	...	...	...	2.157	+8.857	-4	M	...
71	-36.865	+30.339	-5	M	...	131	-18.749	+36.123	0.70	...	...	191	+3.357	-13.238	0.90	...	...
...	36.352	-17.341	-4	...	...	...	18.559	+25.414	-5	M	...	...	3.768	+0.804	-1	M	...
...	35.270	+38.513	-3	...	...	*	18.365	+16.158	1.05	...	...	...	3.851	-37.308	0.65	...	...
...	35.252	+38.217	-4	...	...	...	18.261	-7.304	0.70	...	...	...	3.932	+56.996	-3	...	...
...	34.998	-40.133	-5	M	...	...	17.681	+22.195	0.65	...	...	...	5.715	+44.675	-2	...	...
...	-33.675	-25.086	-4	M	...	+	-17.678	-24.561	0.65	...	...	...	+6.242	-50.269	0.75	...	...
...	33.663	+14.648	-4	M	...	...	17.020	-10.890	-5	M	...	...	6.498	+8.365	-3	...	...
*	33.195	+12.898	1.25	43. 462	9.4	...	16.820	-18.168	0.70	...	...	...	6.564	-21.690	-5	m	...
...	32.791	+7.228	0.65	...	...	...	16.784	-12.767	-3	A	...	...	6.970	-44.046	-3	...	...
...	32.630	+11.345	-3	...	...	...	16.754	+9.237	-4	M	...	*	7.160	+0.895	1.00	...	...
81	-31.951	-9.153	-5	M	...	141	-16.269	-23.979	1.00	...	...	201	+7.329	+18.868	1.15	43. 471	9.4
...	31.433	-5.044	-5	M	...	*	16.131	+8.258	0.95	...	...	...	7.547	-23.438	-3	m	...
*	30.934	+29.775	0.90	...	...	*	16.072	-24.993	1.20	44. 499	9.4	...	8.110	-8.807	-5	m	...
*	30.240	+58.141	1.05	...	...	*	15.911	-58.372	1.10	45. 479	9.8	...	8.104	-56.702	4	m	...
...	30.226	-41.857	0.70	...	...	...	15.623	+36.133	0.85	...	...	...	8.595	-3.282	-5	m	...
*	-29.976	+14.788	0.90	...	...	...	-15.409	+27.881	-5	M	...	...	+8.857	-32.521	-4	...	...
+	29.860	+34.139	2.90	43. 463	7.4	+	15.029	+48.698	1.00	...	...	...	9.097	+32.716	-5	m	...
...	29.396	-23.852	-5	M	...	...	14.856	+29.441	0.70	...	...	S*	9.314	+16.176	1.35	43. 472	8.8
S*	29.102	+22.270	3.00	43. 464	7.4	...	14.612	-14.751	-5	M	...	...	9.507	-25.172	-4	m	...
*	29.083	+57.445	1.35	43. 465	9.1	...	14.541	-13.280	-4	M	...	...	9.62	+46.844	-3	...	...

93 45° 27. obscured by reseau

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.									
	x.	y.	-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.		Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.				
211-270						271-330						331-388																			
211	...	+	9·731	-	34·085	-	4	m	...	271	*	+	25·953	+	28·975	0·90	...	...	331	*	+	41·280	+	1·558	1·10	...	...		
...	†	10·013	+	24·461	-	4	...	...	...	*	25·976	-	24·714	1·00	...	...	...	...	...	...	41·481	+	23·868	-	4	...	...		
...	*	10·514	+	14·455	0·90	...	...	...	...	...	26·250	-	17·420	-	5	m	...	...	...	...	...	42·152	+	52·530	-	3	...	...	
...	...	10·678	+	18·374	-	5	...	...	...	...	26·836	+	23·831	0·70	...	...	...	...	...	...	...	43·356	+	24·423	-	1	...	...	
...	...	11·150	+	49·637	-	5	m	...	...	...	27·056	+	43·966	-	4	...	...	...	...	...	...	43·483	+	25·135	-	3	a	...	
...	*	11·158	+	16·154	0·90	...	...	...	...	*	27·104	-	26·546	0·90	...	...	...	...	...	...	...	43·744	-	50·055	-	5	m	...	
...	...	11·198	-	18·631	0·80	...	...	...	...	...	27·211	+	36·522	-	4	...	...	...	...	...	*	43·946	-	2·767	1·10	44·504	9·8		
...	...	11·210	+	41·029	0·65	...	...	...	...	...	27·595	+	4·528	-	5	m	...	...	...	...	...	44·087	+	0·160	-	5	m	...	
...	...	11·279	-	18·053	-	5	m	...	...	...	27·823	+	3·018	-	5	m	...	...	...	...	...	44·662	-	35·038	-	3	...	...	
...	...	11·441	-	59·028	-	3	...	...	...	...	27·930	-	3·116	-	5	m	...	...	...	...	...	45·154	-	49·717	-	1	b	...	
221	*	+	11·448	-	20·533	1·15	44·502	9·6	...	281	...	+	28·095	-	4·087	-	4	m	...	...	341	S ⁺	+	45·420	+	55·208	1·35	43·483	9·1
...	*	11·449	+	59·369	1·20	43·473	9·6	...	...	...	28·314	-	2·627	-	5	m	...	...	...	...	...	45·627	-	28·141	-	3	...	...	
...	...	11·792	-	17·376	-	5	m	...	...	...	28·427	+	28·526	-	5	m	...	...	...	...	...	...	46·565	-	16·409	-	5	m	...
...	...	11·825	-	56·821	-	5	m	...	...	...	28·685	+	42·422	-	5	...	...	...	...	...	...	...	46·905	-	8·147	0·70	...	...	
...	...	11·826	+	8·530	-	5	m	...	...	...	28·999	-	24·760	-	5	m	...	...	...	...	...	...	47·140	+	1·291	0·70	...	...	
...	...	12·133	+	11·477	-	4	m	...	...	...	29·175	-	36·171	-	4	...	...	...	...	...	...	...	47·338	+	3·367	-	3	a	...
...	...	12·461	-	26·429	-	4	m	...	...	...	30·032	+	20·804	-	1	...	...	...	...	...	...	†	47·408	-	24·524	-	4	m	...
...	...	12·505	-	25·743	0·65	...	...	...	...	...	30·194	-	16·502	-	2	b	...	...	...	...	...	...	47·502	+	43·302	-	2	...	...
...	...	12·509	-	27·741	-	5	m	...	...	...	30·808	-	44·828	-	5	m	...	...	...	...	...	...	47·618	-	12·519	-	4	m	...
...	...	12·583	+	34·234	-	5	...	...	...	...	31·550	+	55·299	-	5	...	...	...	...	...	...	...	48·089	+	35·041	-	4	m	...
231	...	+	13·055	-	50·997	-	5	m	...	291	...	+	31·570	+	52·584	-	5	351	...	+	48·235	+	7·953	-	5	m	...
...	...	13·671	-	17·499	-	2	...	...	...	...	31·608	+	11·970	0·80	...	...	...	...	...	...	...	...	48·698	-	0·030	0·80	e	...	
...	*	14·149	+	57·990	0·95	...	...	...	...	...	32·271	+	44·287	-	5	m	...	...	...	...	...	...	48·753	+	37·011	-	5	m	...
...	†	14·605	+	25·244	0·65	...	...	...	...	...	32·286	-	32·070	-	4	...	...	...	...	...	...	...	48·848	-	4·634	-	1	e	...
...	...	15·511	+	44·264	-	4	m	...	...	S*	32·408	+	10·079	1·35	43·480	9·0	...	...	...	...	...	...	48·995	-	18·786	-	3	...	...
...	...	15·770	+	49·003	0·75	...	...	...	...	...	32·448	+	49·352	-	5	m	...	...	...	...	...	...	49·160	+	32·633	-	4	...	...
...	+	16·682	+	25·247	1·00	43·474	9·8	...	...	...	32·734	-	16·129	-	5	m	...	...	...	...	...	...	50·270	+	31·305	-	3	...	...
...	*	16·769	+	25·939	1·00	43·475	9·8	...	...	...	32·805	+	35·919	-	5	m	...	...	...	...	...	...	50·388	+	9·517	-	4	...	...
...	...	17·169	-	31·841	-	5	m	...	...	...	32·900	-	22·017	1·05	...	...	...	...	...	...	...	*	50·940	-	59·229	1·60	45·494	8·8	
...	...	18·318	-	30·621	-	4	...	...	...	...	33·021	+	58·641	1·25	43·481	9·7	...	...	...	...	...	...	50·996	+	57·886	-	5	...	...
241	...	+	18·474	-	31·689	-	3	301	*	+	33·190	+	18·963	0·90	361	...	+	51·591	+	21·431	-	2	
...	*	18·858	+	44·914	1·20	43·476	9·4	...	...	...	33·592	+	37·924	0·80	...	...	...	...	...	...	...	...	52·294	-	17·577	-	5	m	...
...	...	19·008	+	45·434	-	5	m	...	...	...	33·797	-	21·822	1·00	...	...	...	...	...	...	...	...	52·965	-	20·128	-	5	m	...
...	*	19·048	+	11·556	1·30	43·477	9·2	...	...	...	34·130	-	0·473	-	5	m	...	...	...	...	...	...	53·103	+	28·840	-	2	...	...
...	...	19·048	-	44·392	-	5	m	...	...	...	34·270	+	11·547	-	5	m	...	...	...	...	...	*	53·406	-	24·277	1·10	...	...	
...	*	19·732	-	0·997	0·90	...	...	...	...	...	34·386	+	19·814	0·80	...	...	...	...	...	...	...	...	53·528	+	19·377	-	5	...	...
...	*	20·416	+	55·376	1·05	...	...	...	...	...	34·512	+	28·522	0·80	...	...	...	...	...	...	...	...	53·594	-	38·600	0·90	...	...	
...	*	20·451	+	21·548	1·10	43·478	9·6	...	...	...	34·916	-	50·941	-	2	...	...	...	...	...	...	...	53·942	-	30·581	1·00	...	...	
...	...	20·987	-	43·398	-	5	m	...	...	...	35·296	+	20·682	1·55	43·482	8·8	...	...	...	...	...	...	54·097	+	10·417	0·90	...	...	
...	...	21·191	+	29·307	-	2	...	...	...	...	35·501	+	16·049	-	4	...	...	...	...	...	...	S*	54·340	-	49·947	3·10	44·505	7·8	
251	...	+	21·612	+	43·951	1·00	311	...	+	36·024	+	2·693	-	5	m	371	...	+	54·685	+	47·910	-	3
...	...	21·829	+	0·480	-	5	m	...	...	...	36·225	-	32·315	0·80	...	...	...	...	...	...	...	...	55·103	-	25·709	-	5	e	...
...	...	21·853	-	26·220	0·70	...	...	...	...	...	36·337	-	18·857	0·65	...	...	...	...	...	...	...	*	55·261	+	3·936	1·25	43·485	9·6	
...	...	21·950	-	22·311	-	5	m	...	...	...	36·409	+	34·950	-	4	...	...	...	...	...	...	...	55·452	-	39·164	-	1	...	...
...	...	22·051	-	37·452	-	5	m	...	...	...	36·433	+	3·400	-	5	m	...	...	...	...	...	...	55·612	+	33·390	1·40	43·484	9·4	
...	†	22·207	-	9·635	-	4	m	...	...	...	36·476	-	37·005	-	5	m	...	...	...	...	...	...	55·723	-	44·100	-	3	e	...
...	...	22·615	-	44·705	0·65	...	...	...	...	...	36·495	+	26·715	-	5	m	...	...	...	...	...	...	55·846	+	44·354	-	5	...	...
...	...	22·675	-	40·729	-	5	m	...	...	...	36·898	-	33·248	1·10	...	...	...	...	...	...	...	...	56·066	-	29·638	0·65	...	...	
...	S*	22·974	-	12·255	1·25	44·503	9·0	...	...	...	37·220	-	5·372	0·65	a	...	...	...	...	...	...	...	56·219	+	43·678	-	2	...	...
...	*	22·980	+	41·896	1·10	43·479	9·8	...	...	...	37·303	-	50·020	-	3	m	...	...	...	...	...	...	56·360	-	9·760	0·80	...	...	
261	...	+	23·022	-	47·712	0·65	321	...	+	37·636	+	2·258	0·65	381	...	+	57·289	-	0·490	-	5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60																	
I	...	-59.207	-0.193	-1	E	...	...	...	...	...	...	...	...	...	...	...	...
†	...	58.921	-4.788	-3	E	...	...	...	...	...	...	...	...	...	...	...	...
...	...	58.599	+31.182	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	58.365	-18.924	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	56.984	+21.332	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	-55.687	+28.794	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	55.167	-59.296	2.20	45. 494	8.8	...	...	...	...	...	...	...	...	...	...	...
...	...	55.078	-17.632	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	54.983	+19.345	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	54.702	+47.910	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
II	...	-54.144	+10.403	0.80	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	53.777	-24.289	1.05	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	53.440	+44.377	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	53.329	+33.413	1.40	43. 484	9.4	...	...	...	...	...	...	...	...	...	...	...
...	...	53.149	-38.582	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	-53.032	-30.569	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	53.017	+43.719	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	52.785	+3.962	1.20	43. 485	9.6	...	...	...	...	...	...	...	...	...	...	...
S*	...	52.052	-49.917	3.20	44. 505	7.8	...	...	...	...	...	...	...	...	...	...	...
...	...	52.021	-25.669	-5	E	...	...	...	...	...	...	...	...	...	...	...	...
21	...	-51.265	-39.102	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	51.256	-9.682	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	51.241	+28.337	1.05	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	50.945	-29.560	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	50.852	-44.020	-4	E	...	...	...	...	...	...	...	...	...	...	...	...
...	...	-50.047	+26.401	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	49.203	+8.287	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
†	...	49.199	+40.098	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	49.081	+14.327	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	49.068	+1.381	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...
31	...	-49.052	+23.317	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	48.809	-41.309	-5	E	...	...	...	...	...	...	...	...	...	...	...	...
...	...	47.805	+21.892	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	47.494	-51.487	1.25	44. 506	9.8	...	...	...	...	...	...	...	...	...	...	...
...	...	47.478	+4.001	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
*	...	-46.276	+19.796	1.05	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	45.685	+2.284	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	44.646	-8.095	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	43.915	+15.443	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	43.185	+49.217	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
41	...	-42.974	-30.725	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
*	...	42.865	-31.721	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	42.094	+2.751	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	42.085	+46.607	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	41.324	-14.346	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	-41.166	-55.099	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	40.706	-11.718	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	40.234	-36.926	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
*	...	40.105	+40.593	1.10	43. 486	9.8	...	...	...	...	...	...	...	...	...	...	...
...	...	40.078	-58.513	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
51	...	-39.275	+24.077	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	39.239	+23.179	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	39.205	+34.562	1.30	43. 487	9.6	...	...	...	...	...	...	...	...	...	...	...
*	...	39.204	-14.535	1.10	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	39.015	-33.056	-4	M	...	...	...	...	...	...	...	...	...	...	...	...
*	...	-38.728	+27.838	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	38.551	+54.344	1.25	43. 488	9.8	...	...	...	...	...	...	...	...	...	...	...
...	...	38.049	+3.621	-4	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	38.026	-9.195	-4	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	37.959	-36.507	-3	A	...	...	...	...	...	...	...	...	...	...	...	...
61 120																	
61	...	-37.833	+3.133	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	37.474	+14.092	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	37.245	-6.717	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
S*	...	36.993	+25.051	2.10	43. 490	8.4	...	...	...	...	...	...	...	...	...	...	...
...	...	36.706	-22.201	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	-36.161	+27.655	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	35.180	+32.357	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	34.978	-57.504	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	34.677	+16.452	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	33.931	-30.845	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
71	...	-33.810	-20.613	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	32.984	-57.263	-2	A	...	...	...	...	...	...	...	...	...	...	...	...
...	...	32.693	+11.638	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	32.482	-55.216	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	31.943	-27.627	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	-31.573	+19.063	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	30.767	+54.148	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	30.516	-47.975	-4	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	30.106	-54.288	-3	A	...	...	...	...	...	...	...	...	...	...	...	...
...	...	30.021	+36.712	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
81	...	-29.690	-37.224	-2	A	...	...	...	...	...	...	...	...	...	...	...	...
...	...	29.535	+1.316	-4	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	28.990	+3.020	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	28.845	+32.842	-4	M	...	...	...	...	...	...	...	...	...	...	...	...
...	...	28.611	-50.502	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
*	...	-28.311	-55.870	1.90	44. 507	8.8	...	...	...	...	...	...	...	...	...	...	...
...	...	28.083	+38.744	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
*	...	28.044	+25.934	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	27.922	+10.687	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	27.862	+36.503	-5	M	...	...	...	...	...	...	...	...	...	...	...	...
91	...	-26.717	-6.264	-4	M	...	...	...	...	...	...	...	...	...	...	...	...
†	...	26.617	+25.078</														

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
361 390						391 420						421 423								
361	+43'445	-33'025	-5	m	...	391	+49'748	-33'948	-5	...	421	+58'872	-19'019	-5	...	...	...	...	...
...	43'483	+4'529	-4	m	...	...	49'831	-47'658	-4	...	S*	59'038	-9'793	3'08	44. 540	7'6	...	...	...
...	43'683	-51'645	-4	...	...	...	49'968	-33'533	1'10	44. 536	9'6	...	59'656	-5'640	0'70	...	...	...	...
...	43'924	+58'424	-1	...	...	...	50'035	-33'601	1'10	...	...	...	...	...	...	...	...	...	...
...	44'293	-13'008	-5	m	...	...	49'986	-2'768	-4	e	...	...	...	...	...	...	...	...	...
...	+44'482	-11'824	-4	...	...	...	+50'346	+0'271	-5	m	...	...	...	...	...	...	...	...	...
*	44'494	-25'935	1'10	44. 532	9'8	...	50'579	-20'989	-5	...	...	...	...	...	...	...	...	...	...
...	44'527	+38'757	0'90	...	...	...	51'101	-38'878	1'15	...	...	...	...	...	...	...	...	...	...
...	44'566	+55'604	-2	...	...	...	51'313	-20'132	1'20	44. 537	9'8	...	...	...	...	...	...	...	...
...	44'642	-24'535	0'80	...	...	...	51'617	+47'694	1'40	43. 498	9'6	...	...	...	...	...	...	...	...
371	+44'848	+35'064	-3	...	...	401	+52'938	-47'090	-5	...	...	...	...	...	...	...	...	...	...
...	45'027	-18'409	-5	...	...	...	53'212	+24'826	-5	e	...	...	...	...	...	...	...	...	...
...	45'768	-46'456	-3	...	...	...	53'266	+31'148	1'25	43. 499	9'6	...	...	...	...	...	...	...	...
...	46'091	+2'622	-5	m	...	...	53'405	-3'401	1'20	44. 538	9'6	...	...	...	...	...	...	...	...
...	46'120	-21'192	-4	...	...	...	53'788	+47'365	1'40	43. 500	9'4	...	...	...	...	...	...	...	...
...	+46'597	-15'648	-5	m	...	...	+53'928	-46'549	-5	...	...	...	...	...	...	...	...	...	...
...	46'844	+35'381	0'80	...	...	...	54'141	-8'080	-3	...	...	...	...	...	...	...	...	...	...
...	47'103	-34'309	-5	...	...	...	55'221	-0'459	-3	...	...	...	...	...	...	...	...	...	...
*	47'130	+14'003	1'00	...	...	...	55'350	-49'858	1'30	44. 539	9'4	...	...	...	...	...	...	...	...
...	47'509	-21'155	-3	...	...	S*	55'366	+21'166	2'05	43. 501	8'5	...	...	...	...	...	...	...	...
381	+47'707	+45'373	1'20	43. 497	9'8	411	+55'844	+38'813	-4	...	...	...	...	...	...	...	...	...	...
...	48'010	+45'341	-5	...	...	...	55'963	-4'475	-5	...	...	...	...	...	...	...	...	...	...
*	48'103	-39'271	1'10	44. 533	9'8	...	56'351	-18'857	0'70	...	...	...	...	...	...	...	...	...	...
...	48'115	+43'427	-2	...	...	...	56'576	+45'558	-4	...	...	...	...	...	...	...	...	...	...
*	48'196	-32'349	1'20	44. 534	9'7	...	57'309	+58'349	-4	...	...	...	...	...	...	...	...	...	...
...	+48'240	-20'210	-5	e	...	...	+57'345	+46'796	-5	...	...	...	...	...	...	...	...	...	...
...	48'447	-38'220	-2	...	...	...	57'381	-9'865	-5	e	...	...	...	...	...	...	...	...	...
...	48'906	+43'092	0'80	...	...	...	58'475	+24'344	-3	...	...	...	...	...	...	...	...	...	...
...	49'350	-12'796	-4	...	...	...	58'691	-42'575	-5	...	...	...	...	...	...	...	...	...	...
*	49'416	-26'977	2'50	44. 535	7'8	...	58'753	+7'783	-5	e	...	...	...	...	...	...	...	...	...

1-20						21-40						41-60					
I	-59'048	-20'384	-5	E	...	21	-53'524	-8'064	-2	...	41	-48'246	+17'083	-5	M	...	
...	58'737	-32'512	1'20	44. 534	9'7	...	53'265	+38'845	-5	...	...	47'993	+27'012	-5	...	...
*	58'618	-39'432	1'10	44. 533	9'8	S*	53'190	+21'191	2'30	43. 501	8'5	...	47'944	+54'520	-5	...	
...	58'311	-38'377	-3	...	...	...	52'722	+45'600	-4	...	...	...	47'925	-42'413	-5	...
...	58'167	-12'934	-5	...	...	...	52'704	-0'431	-2	...	...	...	46'823	-13'596	0'70	...
...	-57'834	-2'884	-5	E	...	...	-52'585	-46'531	-4	...	...	...	-46'727	-25'325	0'65	...
*	57'745	+47'593	1'30	43. 498	9'6	...	52'389	+58'394	-3	...	...	...	45'887	-37'285	-5	...
*	57'677	-27'110	2'75	44. 535	7'8	...	52'010	+46'870	-5	...	...	...	* 45'626	+45'186	1'20	43. 502
...	57'141	-34'069	-5	...	...	...	51'094	-37'243	-5	...	...	...	44'605	+37'203	-4	...
*	56'940	-33'631	1'05	...	...	...	51'048	-49'796	1'25	44. 539	9'4	...	44'414	-3'198	-2	...
II	-56'874	-33'715	1'10	44. 536	9'6	31	-50'998	-18'780	0'80	...	51	-43'580	-22'140	-5	M	...	
...	56'709	-21'075	-4	...	...	...	50'863	-56'385	-5	...	...	...	43'538	-16'733	-5	...
...	56'640	-47'762	-5	...	...	...	50'228	-9'747	-5	E	...	...	43'294	-13'420	-4	...
*	55'984	-20'205	1'10	44. 537	9'8	...	50'189	+24'472	-1	...	...	...	42'941	-2'699	-5	...
*	55'633	-38'953	1'15	...	...	...	49'969	+56'546	0'90	...	...	...	42'773	-20'030	1'10	43. 503
*	-55'599	+31'113	1'30	43. 499	9'6	...	-49'630	-50'647	-5	...	...	...	-42'700	-26'951	1'20	44. 541
*	55'546	+47'337	1'30	43. 500	9'4	...	49'414	+7'938	-5	E	...	...	42'270	-10'964	0'70	...
...	55'452	+24'804	-5	E	...	...	49'288	-25'638	-5	...	...	...	S* 41'160	55'056	2'05	44. 542
*	54'400	-3'422	1'20	44. 538	9'6	S*	48'568	-0'628	3'05	44. 540	7'6	...	41'100	-40'148	1'20	43. 504	
...	53'552	-47'123	-4	...	...	...	48'456	-18'861	-4	...	...	...	* 40'232	+28'214	1'90	43. 505

II measured from 1. 87. 203. 300.
B " " " 49. 140. 251. 360

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.		Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.
	61-120							121-180							181-240											
6I	...	...	...	...	...	...	...	12I	...	...	...	...	...	...	...	18I	...	...	...	...	...	...	...	...	...	...
...	-40.174	-33.213	-5	...	...	...	...	...	-18.185	-4.511	-5	...	...	...	...	...	+	-4.925	-50.601	1.00	...	...	...	...	...
...	39.624	+37.997	0.70	...	...	...	...	...	18.066	+40.439	0.75	...	...	...	...	...	*	4.682	-19.849	1.10	...	...	...	...	...
...	39.086	+33.440	0.80	...	...	...	...	...	17.977	-48.761	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	39.065	+30.604	1.50	43. 506	9.4	...	...	...	17.851	+13.739	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	38.872	+12.527	-5	M	...	...	...	...	17.848	-51.785	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	-38.259	-14.541	1.70	44. 543	8.8	...	...	...	-17.581	+34.650	-4	A	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	38.157	+2.261	1.20	44. 544	9.7	...	...	...	17.567	+16.291	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	37.748	+28.596	-3	...	...	...	...	...	* 17.445	+18.774	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	37.327	-12.473	-5	...	...	...	...	...	17.245	+41.319	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	37.275	-39.659	1.30	44. 545	9.2	...	...	...	17.089	+28.779	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7I	...	...	...	...	...	...	...	13I	...	...	...	...	...	...	...	19I	...	...	...	...	...	...	...	...	...	...
...	-35.979	+59.780	-5	...	...	...	...	...	* -16.906	-35.625	1.30	44. 553	9.2	...	...	...	+	-2.428	-52.782	-5	...	...	...	...	...	...
...	35.688	-42.904	-1	...	...	...	...	...	16.871	+19.073	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	35.014	-51.434	1.05	44. 546	9.8	...	...	...	16.658	-44.173	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
+	34.882	-31.872	1.15	44. 547	9.7	...	...	...	* 16.568	-38.192	1.30	44. 554	9.2	...	...	...	*	1.832	+35.816	-5	M m	...	...	...	...	...
...	34.514	-32.789	-4	...	...	...	...	...	16.200	-50.014	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	-34.507	+16.700	1.25	43. 507	9.6	...	...	...	...	+33.692	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	34.021	+20.751	-5	...	...	...	...	...	15.590	+18.026	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	33.736	-32.644	-3	...	...	...	...	...	15.304	-13.930	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	33.269	-33.509	-5	...	...	...	...	...	15.011	-31.567	-1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	32.066	-52.744	1.20	44. 548	9.8	...	...	...	14.743	-26.185	0.80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8I	...	...	...	...	...	...	...	14I	...	...	...	...	...	...	...	20I	...	...	...	...	...	...	...	...	...	...
...	-31.794	+40.680	-3	...	...	...	...	...	-14.612	+31.235	0.75	...	...	...	...	...	+	0.119	-13.202	-5	m	...	...	...	...	...
*	31.702	+6.840	1.00	43. 508	9.8	...	...	...	14.386	-56.110	-1	...	...	...	...	...	†	0.066	-55.297	-4	...	...	...	...	...	...
...	31.671	+41.226	-4	...	...	...	...	...	* 13.761	-32.981	1.00	...	...	...	...	...	S *	0.435	-43.706	1.80	44. 559	8.8	...	...	...	...
*	30.805	+54.239	1.50	43. 509	9.6	...	...	...	13.415	-3.219	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	30.776	+35.741	0.90	...	...	...	...	...	13.236	+47.178	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	-30.683	-43.156	-5	...	...	...	...	...	* -13.203	-41.402	1.00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	29.378	-7.407	1.00	...	...	...	...	...	† 12.005	+15.128	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	28.939	+4.896	-2	...	...	...	...	...	11.733	-16.074	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	28.058	-11.529	1.00	...	...	...	...	...	11.642	-49.444	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	27.906	+18.632	1.00	...	...	...	...	...	11.500	+44.227	0.80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9I	...	...	...	...	...	...	...	15I	...	...	...	...	...	...	...	21I	...	...	...	...	...	...	...	...	...	...
...	-27.830	-25.318	-3	...	...	...	...	...	* -11.250	-25.022	1.05	44. 555	9.8	...	...	...	+	2.445	-57.987	-5	m	...	...	...	...	...
*	27.490	+9.602	1.00	...	...	...	...	...	* 11.245	+32.867	1.25	43. 513	8.8	...	...	...	...	...	...	...	...	...	...	...	...	...
†	27.325	+25.119	-2	...	...	...	...	...	10.912	-32.075	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25.857	+21.463	-5	M	...	...	...	...	10.814	+12.251	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	25.546	-3.665	0.65	...	...	...	...	...	10.305	-2.873	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
S *	-24.688	+27.065	1.20	43. 510	9.8	...	...	...	-10.253	+1.642	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24.242	+15.925	1.43	43. 511	9.3	...	...	...	10.046	-16.621	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24.188	-16.311	-3	...	...	...	...	...	9.824	+7.169	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	23.771	-33.547	1.35	44. 549	8.8	...	...	...	9.517	-9.080	-1	A	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	23.694	-39.932	-5	...	...	...	...	...	8.927	+33.189	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10I	...	...	...	...	...	...	...	16I	...	...	...	...	...	...	...	22I	...	...	...	...	...	...	...	...	...	...
...	-23.572	-44.020	-1	...	...	...	...	...	-8.560	+6.337	-5	M	...	...	...	...	+	7.396	-27.393	0.70	...	...	...	...	...	...
...	22.738	-41.462	0.75	...	...	...	...	...	8.129	-54.956	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22.190	-43.176	0.70	...	...	...	...	...	8.070	+53.097	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	21.840	-27.297	0.70	...	...	...	...	...	7.987	-17.438	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	21.808	-14.044	0.70	...	...	...	...	...	7.792	-24.188	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	-21.592	+47.900	-1	...	...	...	...	...	-7.659	-25.114	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	21.461	-2.756	1.65	44. 550	8.6	...	...	...	7.606	+33.046	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	21.354	-10.270	-5	...	...	...	...	...	7.342	-49.005	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	21.011	+46.631	2.75	43. 512	8.0	...	...	...	6.956	-14.682	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
S *	20.232	-27.035	1.98	44. 551	8.4	...	...	...	6.489	-59.076	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11I	...	...	...	...	...	...	...	17I	...	...	...	...	...	...	...	23I	...	...	...	...	...	...	...	...	...	...
...	-20.202	-14.292	-2	...	...	...	...	...	-6.197	-8.144	-5	M	...	...	...	...	+	8.657	+22.024	-3	m	...	...	...	...	...
+	19.932	+19.746	1.05	...	...	...	...	...	6.173	+0.676	1.00	F	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	19.321	+58.014	-2	...	...	...	...	...	5.992	-31.420	0.65	...	...											

Notes.	Co-ordinates.		Diam	C.P.D.		Notes.	Co-ordinates.		Diam	C.P.D.		Notes.	Co-ordinates.		Diam	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
241-300						301-360						361-411								
241	+12.108	-21.691	-5	m	...	301	+30.347	-20.393	1.25	44.	566	9.7	361	-44.013	+0.462	5	m	...		
...	12.123	-46.336	1.10	44.	562	9.8	...	30.360	-21.105	1.00	...	...	...	44.087	-37.727	-2	...	...
*	12.308	-6.603	0.70	b	...	...	...	30.685	-13.452	-5	m	...	*	44.119	+18.029	1.00	...	...
...	12.315	-19.086	-3	m	...	...	...	31.293	+20.051	1.35	43.	521	9.7	44.223	-24.877	1	...	...
...	13.188	+23.176	0.65	...	...	...	...	31.343	-26.831	1.00	...	...	...	44.484	-0.998	-2	b	...
*	+13.241	-24.432	1.05	...	...	...	...	+31.378	-37.644	0.90	...	...	...	+45.080	+28.084	-5	m	...
...	13.481	-31.784	-2	a	31.404	-23.638	-5	m	...	*	45.298	-22.537	2.10	43.	523	8.8	
...	13.482	-31.580	-1	a	...	...	...	31.855	-23.449	-5	m	...	...	45.302	+49.537	-4	m	...
...	13.876	-28.167	-5	m	...	...	...	31.899	-25.209	1.20	...	...	...	45.417	-31.440	4	m	...
*	13.930	+45.442	1.05	32.196	-7.658	-4	m	...	*	46.233	-2.427	1.25	44.	569	9.8	
251	+15.361	-56.404	-4	...	...	311	+32.309	+10.284	-4	m	...	371	+46.791	+40.929	-3	...	...	
...	15.544	+54.580	-5	m	...	...	32.799	-44.237	-3	...	...	...	47.123	+18.718	0.90	...	...	
*	15.617	-55.297	1.50	44.	563	9.4	...	33.162	-29.331	1.25	44.	567	9.9	47.806	+32.568	-5	m	...		
...	15.707	+46.854	-5	m	...	...	...	33.246	-43.097	-5	m	...	...	47.878	+36.144	-5	m	...
...	15.795	+21.170	-4	...	...	...	...	33.500	-14.882	1.00	...	...	...	48.068	-7.728	-2	...	...
*	+16.071	+28.261	1.70	43.	517	9.0	...	+33.867	-15.083	0.90	...	...	...	+48.229	+21.446	-4	m	...
...	16.261	+49.296	-5	m	...	...	...	34.075	+58.599	-5	m	...	...	48.447	-6.326	5	m	...
...	16.318	-24.546	0.70	...	...	...	...	34.519	+14.598	-4	m	...	...	48.459	+23.553	-5	m	...
...	16.588	-50.371	-2	...	...	...	...	34.628	-53.476	-1	...	...	...	48.647	-17.759	-5	m	...
*	16.783	+36.730	1.00	...	...	...	...	34.812	-33.818	0.90	...	...	...	48.849	+53.763	-5	m	...
261	+16.853	-49.761	-1	...	...	321	+35.279	+55.733	-1	b	...	381	+49.029	-28.465	2.00	44.	570	8.8
...	16.942	-54.848	-4	...	...	...	...	35.824	+57.124	-1	...	...	*	49.084	-27.409	1.10	...	...
...	17.419	+6.407	-2	b	36.101	+29.078	1.10	†	49.752	-48.615	3.00	43.	525	7.9	
...	18.610	-43.034	-5	...	...	...	...	36.453	+41.060	-5	m	...	...	50.474	+11.407	-4	m	...
...	18.613	+15.003	-4	m	36.463	-52.817	-4	m	*	50.876	-56.860	1.30	
...	+18.891	-59.299	-5	...	...	...	...	+36.658	+16.731	-5	m	...	...	+51.116	+23.005	-3	m	...
...	18.962	-44.914	-3	...	...	...	...	36.843	+35.444	-5	m	...	...	51.312	-22.674	-5	...	...
*	19.132	+37.365	1.20	43.	518	9.8	...	37.216	-16.896	1.00	...	...	...	51.341	+19.927	-5	m	...
...	19.160	+32.232	-5	m	37.357	+4.163	-5	m	*	51.361	-47.348	2.20	44.	571	8.8
...	20.163	+38.902	-3	m	37.695	-4.385	-1	*	51.626	+18.336	1.00	
271	+20.208	+19.766	-5	m	...	331	+37.902	+24.491	2.03	43.	522	8.6	391	+52.482	-46.811	-5	...	...
...	21.246	-44.065	0.80	...	...	...	...	38.141	+20.119	-5	m	...	...	52.841	+50.288	-5	m	...
...	21.281	-8.887	-2	a	...	...	...	38.900	-50.851	-5	m	...	...	52.898	-30.975	-2	...	...
...	21.444	+22.708	-5	m	...	...	...	39.028	-56.833	-3	...	...	...	53.131	-58.159	-5	m	...
...	21.954	+13.507	-1	...	...	...	...	39.101	-41.619	-5	m	...	...	53.240	+29.810	-5	m	...
*	+22.130	+22.714	1.10	43.	519	9.8	...	+39.159	-35.947	-5	m	...	...	53.268	-16.913	-5	m	...
...	22.156	+45.200	-3	m	...	...	...	39.301	-58.951	-5	...	...	...	54.483	-51.564	-5	...	...
...	22.493	+45.663	-4	m	...	...	...	39.865	-26.598	1.00	...	...	...	55.059	-4.662	-2	...	...
...	22.559	-44.163	-5	m	...	...	...	39.922	+37.421	-5	m	...	...	56.344	-8.615	0.70	...	...
...	23.393	-25.468	-5	m	...	...	...	40.052	-21.597	-5	m	...	...	56.445	-3.660	-4	m	...
281	+23.784	+4.956	-4	m	...	341	40.360	+19.186	-3	m	...	401	+56.746	-59.272	2.10	45.	542	9.0		
...	24.186	+3.334	-5	m	...	...	...	40.421	+44.812	-1	c	...	...	57.164	-0.402	-5	m	...
...	24.419	-39.361	-5	m	...	...	...	40.517	+20.236	-2	b	...	N	57.637	-44.735	-1	...	...
...	24.775	+30.558	-4	m	40.795	-21.147	2.45	44.	568	8.2	...	57.713	-31.956	-5	m	...	
...	25.330	-23.567	-5	m	40.898	+46.731	1.05	S*	57.752	-44.227	2.85	44.	572	8.1	
...	+25.372	+28.933	-1	...	...	...	...	+41.209	-12.521	0.90	...	...	...	+57.880	-6.389	0.70	...	...
...	25.577	+3.123	-5	m	41.438	+14.250	-5	m	*	58.010	-39.445	1.20	
...	25.800	+46.853	-5	m	41.497	-24.931	-5	m	58.078	-47.751	-5	
...	26.024	+44.478	-4	m	41.678	+16.054	-5	m	58.253	-0.341	-5	m	...	
...	26.524	-25.649	-5	m	41.798	-9.949	-2	S*	59.375	-12.160	1.50	44.	573	9.4
291	+26.568	+22.244	1.30	43.	520	9.6	351	+41.910	+19.661	-3	m	...	411	+59.535	-45.220	0.85	...	...
...	26.571	-5.348	-5	m	...	...	...	42.022	-17.946	1.05	...	...	...	...	...	...	...	...
*	27.105	-21.216	1.40	44.	564	9.4	...	42.046	+19.811	1.10	...	...	...	...	...	...	...	...
...	27.399	-12.533	-5	m	...	...	...	42.470	-22.079	1.00	...	...	...	...	...	...	...	...
...	27.739	-36.111	-5	m	...	...	...	42.610	+5.046	-4	m	...	...	...	...	...	...	...
...	+28.257	-34.433	0.80	...	...	...	...	+42.652	-55.035	-1	...	...	...	...	...	...	...	...
...	29.047	-7.532	-2	...	...	...	...	42.898	-22.708	0.65	...	...	...	...	...	...	...	...
*	29.307	+52.317	1.10	...	...	...	...	43.436	-0.852	0.80	...	...	...	...	...	...	...	...
†	29.543	-4.808	1.10	44.	565	9.8	...	43.980	+21.370	-5	m	...	...	...	...	...	...	...
†	30.218	+0.226	-3	d	...	...	...	43.996	-37.720	0.65	...	...	...	...	...	...	...	...

403. Measures difficult; partly obscured by 2nd image of 405.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	-59.665	+27.241	0.75	...	...	61	-25.320	+23.120	1.70	43. 533	9.0	121	+12.776	+55.950	-4	...	...
†	59.653	+48.473	4.30	43. 525	7.9	...	24.912	-4.354	-1	...	...	...	13.813	+23.932	-1	...	...
†	59.627	-7.908	-3	...	...	...	22.997	-3.342	0.80	...	...	...	14.101	+2.820	-1	...	...
*	58.786	+56.744	1.40	...	...	...	22.898	+46.566	-4	...	...	...	14.399	+29.417	-3	...	...
*	58.025	-28.601	2.60	44. 570	8.8	†	22.851	-54.503	1.30	44. 582	9.6	...	15.429	-14.038	-4	...	...
...	-56.856	+18.260	0.80	...	...	...	-21.859	-11.779	-1	...	...	...	+15.458	+35.226	-4	...	...
*	55.117	-47.404	2.90	44. 571	8.8	S*	21.759	-57.544	3.00	44. 583	8.1	...	15.496	-56.210	-3	...	...
...	54.111	-30.987	-4	...	...	†	21.569	+30.323	-4	A	...	...	15.705	+17.629	-3	...	...
...	53.022	+4.702	-3	...	...	†	20.192	+20.313	-4	A	...	...	* 15.802	+43.036	1.30	43. 541	9.4
...	51.337	-8.543	-1	...	...	...	17.700	-11.462	-3	...	...	...	15.969	-58.933	-2	...	...
II						71						131					
*	-51.122	+39.550	1.20	...	...	...	-17.539	+27.355	1.00	43. 534	9.9	...	+16.514	+6.176	-3	...	...
...	49.847	-6.265	-1	...	...	...	15.638	+52.703	0.75	...	...	...	17.410	-44.714	-4	...	...
*	49.372	-59.168	2.50	45. 542	9.0	...	15.447	-58.453	-1	...	...	...	17.571	+25.212	-1	...	...
S*	48.827	-44.099	3.00	44. 572	8.1	†	14.609	-58.374	3.30	45. 546	8.0	†	17.907	-39.440	1.20	44. 587	9.7
...	48.403	-47.598	-4	...	...	†	14.572	+17.967	-4	...	...	...	18.894	+30.833	0.95	...	...
S*	-48.181	-11.988	1.50	44. 573	9.4	...	-14.259	+19.156	-4	...	...	*	+19.352	-18.283	1.80	44. 588	8.8
...	47.689	+11.773	-1	...	...	...	12.722	+3.333	-3	...	...	...	19.398	+13.023	-3	...	...
...	47.006	-45.020	0.80	...	...	*	12.356	+51.198	2.70	43. 535	8.8	*	19.466	-36.646	1.30	44. 589	9.8
...	45.056	+56.439	-1	...	...	...	11.733	-35.242	-4	...	...	*	19.641	-26.192	1.50	44. 590	9.4
†	44.781	+8.976	3.00	43. 526	8.2	...	10.862	-0.920	-4	...	...	...	20.264	+43.969	-4	...	...
21						81						141					
†	-44.740	+18.196	2.50	43. 527	8.6	...	-9.326	-44.754	-4	...	...	*	+20.350	+41.091	1.65	43. 542	9.2
*	44.394	+27.242	3.30	43. 528	8.0	...	9.268	-24.229	-4	...	...	S*	20.354	-34.881	2.15	44. 591	8.8
...	43.892	+36.446	-4	M	...	...	8.563	+58.300	1.00	43. 536	9.9	...	20.616	-52.755	-4	...	...
...	43.831	+12.366	0.65	...	...	...	8.266	+47.757	1.00	...	...	*	20.980	+13.027	1.25	43. 543	9.9
*	43.777	-49.952	1.80	44. 574	8.8	...	7.617	-13.563	-4	...	...	...	21.412	-26.268	-4	...	...
...	-42.414	+44.761	-1	...	...	...	-7.542	+43.359	0.80	...	...	...	+23.175	-0.289	-4	...	...
*	42.277	+44.385	1.70	43. 529	9.2	S*	6.808	+21.032	1.90	43. 537	8.8	...	23.536	+7.871	-1	...	...
...	42.173	-21.603	-1	...	...	...	4.724	-10.824	-4	...	...	...	23.947	+17.768	0.80	...	...
*	41.134	-38.021	1.60	44. 575	9.3	...	4.527	-8.397	0.65	...	...	...	24.091	+1.679	-1	...	...
...	40.859	-24.954	-4	...	...	...	3.560	+38.428	-4	...	...	...	24.629	-11.311	-3	...	...
31						91						151					
...	-40.779	+3.686	-4	M	...	*	-1.991	-19.757	1.30	44. 584	9.8	...	+25.245	+9.138	-2	...	...
...	40.234	+18.600	-4	M	...	...	1.622	+14.336	-3	...	...	...	25.664	+7.100	-2	...	...
...	40.035	-13.787	0.85	...	...	S*	1.153	+40.458	1.53	43. 538	9.4	...	26.836	-0.907	-1	...	...
*	38.180	-44.105	1.50	44. 576	9.6	...	0.419	+23.515	-3	...	...	...	27.086	+38.539	-2	...	...
*	37.476	+49.903	-4	M	...	*	-0.127	-57.551	3.00	44. 585	8.4	...	27.413	-35.381	-3	...	...
...	-36.755	-13.647	1.45	44. 577	9.7	...	+0.004	-58.875	-1	...	...	...	+27.561	-3.321	1.20	44. 592	9.8
...	36.539	+40.065	0.70	...	...	...	0.634	+24.612	-2	...	...	*	28.345	+48.820	1.40	43. 544	9.7
...	36.195	-25.396	-4	...	...	...	2.578	+4.336	0.75	...	...	...	28.726	+46.654	-2	...	...
...	35.482	+23.006	-3	...	...	...	3.031	+9.986	-4	M	...	...	29.221	-16.071	-4	...	...
N*	35.328	+31.699	1.80	43. 530	9.2	*	3.619	+30.045	1.30	43. 539	9.6	...	29.384	-18.284	-4	...	...
41						101						161					
†	-34.765	-24.577	0.80	44. 578	9.8	...	+3.635	+59.481	-1	...	...	*	+30.278	-50.068	1.25	44. 593	9.9
*	34.591	-16.995	1.30	44. 579	9.9	...	4.875	-49.605	0.80	...	...	S*	30.455	+10.892	1.23	43. 545	9.7
*	33.578	+33.289	3.00	43. 531	8.4	...	5.194	+39.983	-3	...	...	...	30.469	+44.128	-4	...	...
...	33.036	+52.012	1.20	43. 532	9.9	...	5.331	+47.394	0.90	...	...	*	31.074	-54.882	3.20	44. 594	8.2
...	32.678	-36.339	-3	...	...	...	5.970	+43.987	-4	...	...	†	31.401	+45.400	-4	...	...
...	-32.225	+47.357	0.70	...	...	...	+6.156	+12.889	-4	...	...	...	+32.086	-18.733	0.80	...	...
...	30.774	+51.511	1.10	...	...	...	6.868	+30.832	-4	...	...	...	32.093	+32.528	-3	...	...
...	30.448	-18.463	1.05	44. 580	9.9	...	7.951	+21.763	-4	...	...	...	32.165	+20.861	0.90	...	...
...	30.325	+19.018	-4	...	...	...	8.549	+22.097	-4	...	...	*	32.741	-41.023	1.25	44. 595	9.9
†	28.896	+45.318	-3	...	...	...	8.626	-45.477	-4	...	...	...	33.959	-11.543	0.75	44. 596	9.9
51						111						171					
...	-28.865	+37.766	-3	...	...	...	+8.762	+33.246	-4	...	...	...	+34.789	-30.055	0.75	...	...
†	28.543	-44.501	-4	...	...	...	9.111	-35.609	1.00	...	...	*	35.136	+27.375	1.40	43. 546	9.4
...	27.886	-50.549	0.80	...	...	...	9.414	+41.189	-3	...	...	...	35.784	+22.711	-4	...	...
*	27.222	-6.535	1.40	44. 581	9.7	...	9.827	+28.210	-4	...	...	...	37.387	+48.253	-1	...	...
...	26.408	-53.644	0.80	...	...	...	† 10.053	+29.540	-3	...	...	...	37.590	+23.289	0.70	...	...
...	-26.343	-46.472	-2	...	...	...	+10.596	+34.609	0.85	...	...	...	+38.635	-46.547	0.65	...	...
...	26.100	+42.424	0.75	...	...	*	11.239	-30.266	1.30	44. 586	9.6	...	38.965	+5.075	0.80	...	...
...	25.814	-46.418	-1	...	...	...	11.673	+2.473	0.90	43. 540	9.9	...	39.678	-38.677	1.00	44. 597	9.9
...	25.580	-13.265	-4	...	...	...	11.951	-53.685	-4	...	...	...	40.672	+9.311	0.80	...	...
...	25.387	+19.446	1.10	...	...	...	12.287	-38.445	0.70	...	...	...	40.811	-7.872	1.00	44. 598	9.9

CH measured from 1, 50, 88, 140, 198.
B " " 21, 70, 116, 172.

40. Mass. 43° 30', two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
180 200						201 216											
181	+40'961	-32'261	- 4	...	...	201	+51'056	+ 3'071	1'10	...	...				
...	41'108	-33'530	1'05	44. 599	9'9	...	51'229	+34'613	1'30	43. 549	9'9						
*	41'472	+ 7'412	1'40	43. 547	9'7	...	51'477	+20'599	- 4	...	...				
...	42'639	+16'055	1'00	...	...	S*	51'736	+40'623	2'10	43. 550	9'0						
...	43'070	-24'539	1'00	44. 600	9'9	...	52'147	-38'793	- 4	...	...				
†	+43'684	-49'275	0'75	...	...	*	+52'758	-22'700	1'65	44. 603	9'3						
...	43'773	+ 5'028	- 1	...	...	...	54'604	+40'763	0'80	...	...				
...	43'948	+54'035	- 4	...	...	*	56'178	-57'484	1'30	44. 604	8'8						
...	44'506	-56'617	- 4	...	...	*	56'312	-57'377	1'70	...	...				
...	44'665	- 6'666	1'00	...	...	...	56'356	-15'110	0'75	...	...				
191	+47'416	-57'454	5'50	44. 601	7'0	211	+56'689	-17'200	0'90	...	...				
S*	48'052	+ 5'986	0'80	...	...	*	57'038	+42'139	1'40	43. 551	9'8						
...	48'683	+46'270	1'50	43. 548	9'7	†	57'567	+55'479	- 1	43. 552	9'9						
...	49'076	+41'774	- 2	...	...	...	57'850	+30'632	- 4	...	...				
...	49'755	+ 2'476	0'90	...	...	...	57'904	-19'580	0'70	...	...				
S*	+49'796	- 6'346	2'55	44. 602	8'8	...	+58'464	+ 3'052	- 1	...	...				
†	49'865	+19'116	0'80	...	...										
...	50'147	-36'429	- 4	...	...										
...	50'372	+54'781	- 3	...	...										
...	50'535	-42'841	- 3	...	...										

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-30						31-60						61-90					
I	-59'522	+ 4'667	- 3	...	...	31	-46'912	+49'733	- 3	...	...	61	-34'625	+ 9'088	- 4	...	...
...	59'222	+54'638	- 1	...	...	...	46'557	-15'183	0'70	...	...	...	34'286	-30'835	1'00	...	...
*	58'737	-57'636	4'50	44. 601	7'0	*	46'438	+36'217	1'05	43. 554	9'9	...	33'815	+18'411	- 3	...	...
...	58'632	+18'984	0'90	...	...	...	46'299	-45'700	- 4	...	...	...	33'799	+29'514	1'35	43. 558	9'2
...	58'237	+ 2'342	0'80	...	...	*	45'972	+37'668	1'20	43. 555	9'9	...	33'500	-35'984	1'00	...	...
S*	-57'930	- 6'466	1'80	44. 602	8'8	...	-45'424	+40'141	- 5	...	...	*	-33'487	-24'963	1'05	44. 610	9'9
*	57'747	+34'496	1'05	43. 549	9'9	...	45'049	+52'349	- 3	...	...	...	33'432	+29'215	- 4	...	...
...	57'715	-26'378	- 2	...	...	...	44'875	+15'290	0'75	...	...	...	33'161	-32'283	- 4	M	...
...	57'665	-26'526	- 5	M	...	...	44'584	+58'899	0'80	43. 556	9'9	...	32'805	+ 31'840	- 4	...	...
S†	57'420	+40'539	1'65	43. 550	9'0	...	43'962	+23'393	- 3	...	...	†	32'144	-39'358	- 1	...	...
II	-56'957	+ 2'969	0'85	...	...	41	-42'983	- 1'817	0'70	...	...	...	-31'767	+38'921	- 1	...	...
...	56'665	-36'542	- 3	...	...	...	42'895	+45'062	- 3	...	...	...	31'071	-26'036	- 4	...	...
...	56'085	-42'936	- 1	...	...	...	41'853	+17'763	- 4	...	...	...	31'067	-30'254	- 1	...	...
†	54'572	+40'748	0'90	...	...	*	41'455	-52'488	1'00	44. 605	9'9	...	29'479	- 6'965	0'75	...	...
*	54'475	-22'728	1'30	44. 603	9'3	...	40'920	-41'839	0'70	...	...	†	29'464	-59'145	2'60	45. 577	8'4
...	-52'321	-10'220	- 5	M	...	...	-40'488	-12'871	0'65	...	...	...	-29'272	+41'074	- 1	...	...
*	52'174	+42'198	1'30	43. 551	9'8	...	40'163	-34'006	0'80	...	...	*	29'119	-12'566	1'50	44. 611	9'0
*	52'058	+55'564	1'05	43. 552	9'9	...	39'317	- 3'228	- 4	...	...	...	28'941	-47'522	0'65	...	...
...	51'630	- 6'544	- 4	M	...	*	39'115	- 1'695	1'00	44. 606	9'9	...	28'150	+ 28'895	- 4	...	...
*	51'108	-15'040	0'95	...	...	*	38'988	+23'587	1'00	...	...	...	27'537	-14'984	0'65	...	...
21	-51'019	+30'731	- 3	...	...	51	-38'727	-12'842	1'00	44. 607	9'9	81	-26'846	-23'009	- 3	...	...
*	50'715	-17'113	1'00	...	...	...	38'479	+ 6'701	- 4	...	...	...	25'933	-44'908	0'65	...	...
...	50'345	-12'076	- 4	...	...	...	38'391	+36'672	0'65	...	...	*	25'770	- 33'901	1'40	43. 559	9'2
*	49'995	-57'388	1'10	...	...	...	38'045	-40'316	- 4	M	...	S*	24'551	-58'839	1'10	44. 612	9'2
*	49'867	-57'276	1'20	44. 604	8'8	...	37'843	-27'296	- 4	...	...	S*	24'242	-42'038	1'70	44. 613	8'8
...	-49'566	+ 3'191	- 1	...	...	...	-36'876	-13'977	- 4	...	...	...	24'085	- 0'734	0'70	...	...
...	49'424	-19'421	0'70	...	...	S*	35'712	-27'975	3'00	44. 608	7'8	...	23'791	+21'718	- 2	...	...
...	48'699	+33'575	- 4	...	...	*	35'594	+33'099	1'15	43. 557	9'4	...	22'920	-17'852	- 4	...	...
...	48'355	+39'063	- 4	...	...	*	35'187	- 7'184	1'25	44. 609	9'6	S*	22'771	- 23'177	1'50	43. 560	8'8
*	47'724	+37'972	1'35	43. 553	9'1	...	34'897	-38'326	- 2	...	...	*	22'468	-42'546	1'50	44. 614	8'8

B measured from 1, 48, 94, 144, 199, 232
 CH " " " 26, 74, 119, 175, 216, 252

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
91—150						151—210						211—269							
91	-22.211	-57.589	-4	...	...	151	+3.128	-32.690	-3	...	...	211	+26.960	+1.784	0.85	...	...
...	21.320	-40.699	-5	...	...	...	3.258	+37.853	-4	M	...	...	29.200	+50.009	-4	...	...
...	21.308	-21.134	0.75	...	...	...	3.724	+37.492	-3	...	...	...	29.535	+19.176	0.95	...	...
...	19.589	+33.878	0.70	...	...	...	4.184	-41.722	0.70	...	...	...	29.766	-3.738	-4	...	...
*	19.108	-33.854	1.10	44. 615	9.8	...	4.369	+38.004	0.75	...	...	...	29.873	-49.745	1.30	44. 633	9.2	
...	-18.274	+23.821	0.80	...	...	...	+4.381	+36.980	-3	...	...	...	+30.787	-40.253	1.30	44. 634	9.4	
...	18.172	-32.931	-1	...	...	...	4.968	-10.426	-3	M	...	...	* 30.911	-31.512	1.20	44. 635	9.6	
...	18.114	+42.033	-1	...	...	...	5.318	+28.591	-4	M	...	...	...	31.765	-13.974	-1	...	...
...	17.972	-6.607	-2	...	...	...	* 5.496	-7.107	1.25	44. 622	9.6	...	...	32.219	-42.776	0.70	...	...
...	17.424	-58.557	-4	...	...	...	S* 5.536	+56.500	1.85	43. 567	8.6	...	...	* 33.135	+3.047	1.05	43. 573	9.8
101	-16.894	-20.425	-3	...	...	161	+5.873	+16.876	0.95	...	...	221	+33.344	-28.980	0.70	...	...
S*	16.631	-4.089	2.10	44. 616	8.6	...	...	6.105	+41.262	-2	...	...	...	34.157	-46.932	-1	...	...
*	16.045	+59.932	1.50	43. 561	9.0	...	...	6.113	-28.072	0.65	...	...	...	35.010	-3.088	1.20	...	...
*	15.764	-35.851	1.00	44. 617	9.9	...	...	6.134	-51.581	-3	...	...	...	35.086	-3.066	1.00	44. 636	9.2
...	15.565	+0.423	-1	a	...	...	...	6.539	+4.409	-1	...	...	...	36.970	+37.530	0.70	...	...
...	-15.454	+19.156	-1	...	...	...	...	+7.074	+33.662	0.90	...	...	...	+37.319	-58.240	-4	...	...
...	15.043	-23.444	-4	...	...	...	...	7.540	+56.972	0.65	...	...	...	37.800	+6.957	0.80	...	...
*	14.001	-6.080	1.30	44. 618	9.6	...	...	8.027	-0.334	-1	...	...	...	37.896	+17.029	0.65	...	...
n	13.339	+60.127	0.90	...	...	...	...	* 8.134	-27.738	1.25	44. 623	9.6	...	39.537	-44.183	0.80	...	...
n*	13.277	+60.318	1.10	43. 562	9.4	...	...	* 8.192	-46.535	1.10	44. 624	9.9	...	39.696	-0.096	-4	...	...
111	-12.942	-57.194	0.65	...	...	171	+8.872	-5.916	1.00	44. 625	9.9	231	+39.697	-56.152	1.40	44. 638	9.4	
...	12.050	-17.605	-4	...	...	...	9.488	+49.635	-2	...	...	...	* 40.225	-3.161	0.95	44. 637	9.9	
...	11.997	+0.504	0.65	a	...	...	9.853	+9.457	0.80	...	...	...	...	40.767	-50.163	-3	...	...
...	11.657	-18.133	0.65	...	...	...	9.864	+13.897	-4	...	...	...	...	41.918	-51.881	-3	...	...
†	11.520	+40.481	-3	10.452	-13.456	-1	43.114	+56.060	-4
*	-11.494	+33.703	1.15	43. 563	9.7	* 10.693	-3.814	1.20	44. 626	9.4	+43.245	-17.592	-3
...	10.834	-18.767	-4	10.775	+12.921	-2	43.826	+20.080	1.10	43. 574	9.6
...	10.712	-21.524	-4	* 10.890	-38.343	1.00	44. 627	9.8	* 44.274	+21.959	1.00	43. 575	9.8
*	9.595	-47.594	1.30	44. 619	9.3	11.618	+14.873	0.80	45.985	-1.757	0.90
...	9.146	+34.909	-3	12.027	-39.586	-3	46.357	+60.329	-1
121	-8.459	+41.696	-2	...	...	181	+12.741	+22.123	-4	...	...	241	+46.671	+44.100	1.00	...	...
...	7.058	+32.062	-4	...	...	...	12.769	+3.732	0.80	...	...	...	46.831	+4.088	0.90	...	...
...	6.570	-37.700	-5	...	...	...	13.239	-15.656	-4	...	...	S*	47.475	-52.861	1.60	44. 639	8.8	
...	5.931	-13.107	-1	...	...	...	14.534	-14.156	-1	...	...	*	47.584	+8.443	1.30	43. 577	9.4	
*	5.926	-34.685	1.20	44. 620	9.6	...	...	14.907	-43.984	1.10	44. 628	9.8	*	47.699	+30.857	1.20	43. 576	9.7
...	-5.882	-54.942	-5	...	...	...	...	+14.961	-39.451	-4	...	...	...	+47.970	+39.348	-4	...	...
*	5.837	+11.082	1.10	43. 564	9.9	...	...	15.346	-50.314	-1	...	...	...	48.124	-27.421	-3	...	...
...	5.806	-56.718	-1	...	...	...	...	16.050	-16.011	-4	...	...	...	48.369	+59.735	-4	...	...
...	5.751	-19.018	-1	...	...	...	...	16.089	-24.006	-1	...	...	...	48.415	+30.417	-3	...	...
...	4.652	+49.293	-4	M	...	...	...	16.746	+15.116	-2	...	...	*	48.831	+35.714	1.30	43. 578	9.6
131	-3.860	-41.575	-5	...	...	191	+16.824	-15.317	0.65	...	...	251	+49.700	-29.694	0.70	...	...
...	3.764	-44.990	-4	...	...	S*	17.113	-20.193	3.00	44. 629	8.2	...	...	50.765	+3.898	-4	...	...
...	3.756	+8.431	0.80	43. 565	9.9	*	17.452	+57.266	1.50	43. 568	9.2	...	...	50.788	+50.722	0.75	...	...
...	3.275	-5.358	-4	M	...	...	...	17.657	-44.308	-4	...	...	...	50.966	+45.309	-4	...	...
...	2.460	-51.880	-4	...	...	...	...	18.126	+21.106	0.75	...	...	...	51.164	+16.894	3.00	43. 579	7.6
...	-1.396	-45.837	-4	...	...	...	...	+18.215	-15.630	-4	...	...	...	† 52.073	-4.296	0.65	...	...
...	1.300	-47.628	-3	...	...	...	...	19.569	-16.563	-4	...	...	...	53.616	-15.727	1.00	44. 640	9.9
...	0.901	+58.024	0.75	...	...	...	...	† 20.054	-1.260	-4	...	...	...	53.741	-3.227	-2	...	...
*	0.857	+1.730	0.95	44. 621	9.7	* 21.153	+4.105	1.30	43. 570	9.2	...	S*	54.510	+5.008	2.05	43. 580	8.4
S*	0.213	+51.780	1.45	43. 566	9.0	* 21.160	+26.780	1.00	43. 569	9.9	...	S*	56.535	+47.413	2.65	43. 581	8.4
141	-0.022	-39.581	-4	...	...	201	+21.288	+43.339	-3	...	...	261	+56.807	+18.664	1.05	43. 583	9.9	
...	+0.042	-48.278	-5	* 21.766	-21.896	1.05	44. 630	9.9	57.112	+29.196	-4
...	0.052	-20.221	-4	...	...	S*	22.269	+10.089	1.75	43. 571	8.8	...	...	* 57.273	+55.741	1.20	43. 582	9.8
...	0.635	+11.654	-2	M	22.423	+54.984	-4	a	57.545	-5.487	-3
...	0.809	-35.009	-3	22.592	-46.282	-4	57.884	+38.250	0.65
*	+2.333	+22.763	1.00	+22.805	+0.369	0.80	44. 631	9.9	† 58.045	-25.862	-4
...	2.444	+45.755	0.80	* 23.710	+54.684	1.00	43. 572	9.9	58.235	+13.172	-3
†	2.538	-14.380	-4	M	23.991	-29.671	-2	58.436	-7.741	0.75
...	2.644	-42.865	-4	26.098	+21.527	0.65	58.882	-22.820	-4
...	2.678	-42.563	-3	...	...	...	...	* 26.754	-8.489	1.00	44. 632	9.9	...	...	...	...	...	...

109, 110. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
	1-60						61 120						121 180				
I	-58.979	-27.597	3	...	...	61	-39.621	-34.492	5	M	...	121	28.518	26.787	5	M	...
S*	58.830	-53.041	1.63	44. 639	8.8	...	39.584	55.374	4	...	...	...	28.333	39.959	2	...	...
...	58.667	+50.594	-2	...	...	...	39.288	+37.408	2	...	...	...	27.657	35.168	-5	M	...
...	58.554	-15.914	-5	...	...	...	39.016	+25.227	5	...	...	...	26.481	-0.658	0.90	...	...
...	58.321	+45.186	-5	...	...	...	38.936	+9.585	1.10	43. 585	9.4	...	26.442	-22.733	4	...	...
†	-57.313	-29.826	0.80	...	...	*	-38.889	+22.283	1.05	43. 586	9.9	...	26.351	42.764	-5	M	...
...	57.286	-33.552	-5	M	...	...	38.860	+20.131	-4	...	...	...	26.308	-29.156	-5	M	...
...	57.266	+3.796	-5	...	...	...	38.473	4.318	4	M	...	*	26.300	-21.857	2.35	43. 590	7.8
*	57.257	+16.802	2.20	43. 579	7.6	...	38.046	-49.220	4	M	...	...	25.976	-15.818	5	M	...
...	57.082	-46.444	-5	...	...	...	37.473	+19.418	-5	M	...	...	25.836	-16.029	-2	...	...
II						71						131					
...	-55.721	-4.351	0.75	...	...	...	-37.102	19.589	-5	M	...	...	25.795	-1.148	3	...	...
...	55.204	+48.291	-5	...	...	...	37.091	+18.260	-3	...	...	...	25.368	-5.140	-2	...	...
...	54.077	-3.242	-1	...	...	...	37.047	+1.995	-2	...	...	...	25.355	-26.588	0.85	...	...
*	53.831	-15.747	1.00	44. 640	9.9	...	36.844	-29.518	-5	M	...	...	24.854	33.253	0.70	...	...
S†	53.563	+5.011	1.50	43. 580	8.4	...	36.772	+50.960	0.70	...	...	SN*	24.640	-7.068	1.65	43. 591	9.2
S*	-52.821	+47.476	2.05	43. 581	8.4	...	-36.142	+44.537	-4	...	...	*	24.557	-24.737	1.10	43. 592	9.9
...	52.338	+55.810	0.90	43. 582	9.8	...	36.127	+54.745	-4	...	...	...	24.505	+53.154	-5	M	...
...	52.161	-40.739	-4	...	...	...	35.993	-46.445	5	M	...	...	24.312	-28.584	4	M	...
...	52.055	-18.550	-4	...	...	...	35.438	-29.932	-1	...	...	...	24.191	-53.419	0.65	...	...
...	51.688	+29.258	-3	...	...	...	35.242	+57.513	-5	...	...	...	23.610	-52.995	-5	M	...
2I						81						141					
*	-51.673	+18.741	1.00	43. 583	9.9	...	-35.188	-5.115	-5	M	...	...	-22.963	-30.288	4	M	...
...	51.195	+38.341	0.65	...	...	†	35.071	-38.297	-5	M	...	...	22.944	+18.530	-4	M	...
...	50.402	+36.231	-5	M	...	...	34.923	+53.232	0.65	...	...	...	22.785	-5.414	4	M	...
...	50.313	+9.747	-5	M	...	...	34.448	+40.904	0.90	...	...	*	22.607	-24.735	1.30	43. 593	9.0
...	50.205	-5.392	-3	...	...	...	34.298	+4.594	-5	M	...	...	22.385	42.067	-5	M	...
...	-50.117	+12.340	-5	M	...	...	-34.274	+36.718	-3	...	...	...	-22.290	-51.258	-4	M	...
...	50.099	+13.283	-3	...	...	...	34.055	+29.421	-1	...	...	...	22.018	-14.270	-5	M	...
...	49.246	-7.599	0.90	...	...	...	34.046	+47.693	0.75	...	...	...	21.598	+23.197	2	A	...
...	49.095	-25.735	-4	...	...	...	33.886	+43.149	-4	...	...	...	21.470	-36.303	-3	...	...
...	49.011	+1.035	-5	M	...	...	33.867	-31.943	-1	...	...	...	21.428	-11.464	-5	M	...
3I						91						151					
...	-48.666	+40.848	0.75	...	...	...	-33.859	+17.577	-2	...	...	...	-21.326	22.114	0.80	...	...
...	48.392	+35.701	-2	...	...	...	33.652	+12.737	-3	...	...	...	21.176	-2.380	0.70	...	...
...	48.361	-22.665	-3	...	...	...	33.574	-38.703	5	M	...	...	20.806	-48.352	-5	M	...
...	48.216	+9.959	-4	M	...	...	32.967	-44.055	-5	M	...	...	20.539	-9.480	4	M	...
...	47.950	+22.485	0.90	...	...	...	32.748	-16.251	-5	M	...	*	20.511	16.381	1.10	44. 642	9.8
...	-47.011	-17.262	-2	...	...	...	32.720	-59.415	-3	...	...	...	20.212	23.829	-2	...	...
...	46.734	-21.868	0.90	...	...	...	32.597	-41.396	-4	...	...	†	19.858	-30.838	0.90	...	...
...	46.123	+23.991	-2	...	...	...	32.555	+21.840	-5	...	...	†	19.821	-26.551	5	M	...
...	46.049	-18.007	-2	...	...	...	32.531	-32.165	-1	...	...	...	19.608	-7.037	-5	M	...
*	46.047	-55.469	1.10	44. 641	9.9	...	32.494	-8.862	-4	M	...	...	19.557	+13.636	-3	...	...
4I						101						161					
...	-45.980	-30.578	-3	...	...	...	-32.451	+9.081	-5	M	...	...	-19.260	-18.288	-5	M	...
...	45.918	+37.609	-5	...	...	...	32.189	-2.891	-3	M	...	*	19.029	-55.278	1.10	44. 643	9.9
...	45.592	-16.762	-1	...	...	...	32.174	+41.198	-5	...	...	...	18.741	-23.076	-5	M	...
...	44.583	-7.485	-4	M	...	...	32.103	+1.624	-4	...	...	...	18.398	40.899	5	M	...
...	44.398	-44.898	-5	...	...	...	31.921	+22.079	-5	M	...	...	18.034	50.875	-4	...	...
...	-44.040	+33.866	-2	...	...	...	-31.895	-8.466	-5	M	...	*	18.001	-27.267	1.00	...	...
...	43.453	-6.877	-5	M	...	*	31.880	+23.705	1.00	43. 587	9.9	...	17.928	-26.204	-3	...	...
*	43.408	-12.167	1.00	...	...	...	31.879	+29.337	5	M	...	...	17.892	1.435	1	...	...
*	42.308	+18.141	1.30	43. 584	9.1	...	31.625	+42.520	-3	...	...	...	17.666	45.024	5	M	...
...	42.121	+14.299	-4	...	...	...	31.530	-12.681	-4	...	...	...	17.603	-13.254	-3	...	...
5I						111						171					
...	-41.297	+46.472	0.75	...	...	...	-30.870	+15.193	-2	...	...	*	-17.572	-45.971	1.05	43. 594	9.9
...	40.942	+11.183	-5	M	...	...	30.828	+46.381	-2	...	...	...	17.519	-5.540	1	...	...
...	40.908	+1.185	0.80	...	...	...	30.744	16.969	-4	...	...	...	17.465	30.012	5	M	...
...	40.792	-27.498	0.75	...	...	...	30.515	40.849	3	...	...	...	16.924	34.546	2	...	...
...	40.610	+6.658	0.70	...	...	*	30.266	33.138	1.00	43. 588	9.9	...	16.762	-54.116	-5	M	...
...	-40.545	-38.492	0.65	...	...	†	29.949	-12.226	-2	...	...	*	16.375	-35.200	1.00	...	...
...	40.369	+9.807	-2	A	...	†	29.887	33.043	-2	...	...	...	15.799	51.722	5	...	...
...	40.360	-35.192	0.90	...	...	...	29.615	37.869	0.75	...	...	S*	15.740	28.260	2.45	44. 644	7.8
...	40.201	+31.512	-3	...	...	*	29.317	14.214	1.15	43. 589	9.7	...	15.493	35.084	-4	...	...
...	39.663	+26.731	-5	...	...	...	28.666	-46.607	-5	...	...	...	15.450	-39.910	-3	...	...

SB measured from 1, 60, 157, 250, 351, 459.
 S 28, 116, 212, 300, 404, 406.

135 Mass

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		r.	No.		Mag.	x.		y.	r.		No.	Mag.		x.	y.	r.	No.	Mag.
181-240						241-300						301-360					
181	-15.244	-18.867	1.00	44. 645	9.9	241	-4.565	-9.614	1.10	44. 650	9.9	301	+10.272	+54.900	0.90	...	...
*	14.972	-46.293	-4	M	...	*	4.084	-24.530	0.90	...	...	S*	10.416	+12.269	1.60	43. 598	8.6
...	14.901	-50.230	-3	...	...	...	3.937	-0.121	0.90	...	...	...	10.462	+49.961	-2	...	...
†	14.804	+27.631	-3	...	...	...	3.832	-38.331	-1	...	...	*	10.722	+49.892	1.00	...	...
*	14.804	+19.767	1.00	43. 595	9.9	...	3.777	-36.451	0.65	...	...	...	11.040	-54.811	-1	...	...
...	-14.677	+59.089	-5	...	...	...	-3.553	+58.249	0.65	...	...	*	+11.888	+32.058	1.10	43. 599	10.2
*	14.183	-7.221	1.15	44. 646	9.6	...	3.363	+33.308	-2	A m	...	*	12.094	-34.210	1.00	...	...
...	13.964	-22.387	-5	M	...	...	3.166	+13.459	-5	M m	...	...	12.365	-4.171	-4	...	...
*	13.868	+49.533	1.15	43. 596	9.8	...	3.013	+22.246	1.15	43. 597	10.0	...	12.511	-36.340	-4	m	...
...	13.840	+1.805	-2	...	...	...	2.701	+47.461	0.90	...	...	...	12.627	+43.578	0.90	...	...
191	-13.435	-13.692	1.00	...	...	251	-2.348	-41.049	0.70	...	...	311	+13.329	+15.835	-4	m	...
*	12.450	+58.828	0.70	...	...	...	2.182	-19.700	-1	...	...	*	13.466	+18.028	2.10	43. 600	8.2
...	12.390	-16.219	-3	...	...	...	2.071	+27.066	-5	M m	...	...	13.485	-57.046	-5	...	...
...	12.267	+3.674	-5	M	...	...	1.601	-24.751	-2	...	...	...	13.792	+4.741	0.65	...	...
...	12.201	-10.516	-5	M	...	...	1.288	-24.562	-2	...	...	...	13.889	+10.200	-4	m	...
...	-12.167	-50.654	-1	...	...	...	-0.837	+24.770	-4	M m	...	...	+14.426	+12.750	-5	m	...
...	11.929	-5.480	-3	M	...	...	0.318	+56.437	-5	m	...	†	14.636	-20.070	1.00	...	...
...	11.907	+6.595	-5	M	...	†	-0.063	-12.559	-3	M	...	...	14.742	-11.795	0.80	...	...
...	11.798	-16.390	-1	...	...	...	+0.040	-9.269	-3	M m	...	†	14.886	-15.576	0.80	...	...
...	11.663	-6.506	-5	M	...	*	0.083	-49.813	1.00	...	...	...	15.142	-9.420	-5	m	...
201	-11.221	-22.616	-4	M	...	261	+0.246	-24.050	0.90	...	...	321	+15.148	-1.348	-5	m	...
*	11.172	-3.637	1.00	44. 647	9.9	...	0.533	-2.619	-1	M	...	*	15.385	-39.482	1.00	...	...
...	11.152	+17.389	0.90	...	...	...	0.844	-57.334	0.80	...	...	...	15.589	-31.581	-5	m	...
...	11.127	-59.285	0.65	...	...	...	1.005	+50.617	-5	M m	...	...	15.670	+55.440	0.85	...	...
*	10.953	+55.892	1.00	...	...	...	1.297	-9.486	-4	M	...	...	15.727	-53.227	-5	m	...
...	-10.645	-16.830	-5	M	...	...	+1.757	+11.116	-4	M m	...	...	+16.106	-21.974	-5	m	...
...	10.614	+46.302	-5	M	...	*	2.136	-18.442	1.00	44. 651	10.2	*	16.161	-28.131	1.25	44. 653	9.4
...	10.589	+52.394	-4	...	...	...	2.379	+24.488	-5	M m	...	...	16.173	-32.715	-5	m	...
...	10.364	-30.709	0.75	...	...	...	3.001	-22.117	-4	...	...	...	16.176	-20.584	-2	...	...
*	10.229	-27.087	1.00	...	...	...	3.018	-35.101	-5	M m	...	...	16.313	-49.579	-5	...	...
211	-9.926	+53.349	-5	M	...	271	+3.057	+38.744	-3	...	...	331	+16.923	+12.896	-4	m	...
...	9.290	+16.351	0.65	...	...	...	3.228	+25.230	0.70	...	...	...	17.161	-40.588	-4	...	...
...	9.230	+6.047	-5	M	...	...	3.318	-10.649	-5	M m	...	...	17.175	-18.075	-2	...	...
...	9.126	-58.044	0.65	...	...	...	3.416	-49.821	-5	M	...	*	17.229	-8.814	1.20	44. 654	10.2
S*	9.011	-18.465	1.33	44. 648	8.8	...	3.438	-6.173	-5	M	...	...	17.607	+0.161	0.65	β	...
...	-8.445	+42.257	0.75	...	...	...	+3.832	+35.858	-1	...	...	*	+17.732	+35.735	1.00	43. 601	10.2
...	8.343	-37.538	-5	...	...	...	4.645	-56.320	-5	M	...	...	17.742	-2.009	-2	...	...
...	8.325	+36.448	-5	M	...	...	5.502	+48.720	-5	...	...	...	17.867	+36.249	-2	...	...
...	8.243	+8.250	-1	...	...	...	5.672	+56.526	-5	...	...	...	17.911	+10.708	0.80	...	...
...	7.801	-4.475	-5	M	...	...	5.697	-41.705	-2	...	...	...	17.989	-46.912	-5	...	...
221	-7.569	-8.410	0.80	...	...	281	+6.044	-11.383	-3	...	...	341	+18.348	+21.818	-2	...	...
...	7.546	-18.849	-5	M	...	...	6.454	+37.392	-2	...	...	...	18.382	+31.277	-5	m	...
...	7.162	-15.585	-5	M	...	*	6.809	-49.822	1.00	44. 652	10.0	...	18.533	+22.368	-3	m	...
...	7.031	+2.170	-4	M	...	...	7.054	+13.451	-5	m	...	...	18.555	-1.560	-5	m	...
...	6.776	+16.653	-5	M	...	...	7.339	-55.388	-3	...	...	...	18.896	-24.565	-2	a	...
...	-6.580	+58.067	-5	M	...	†	+7.694	+39.832	0.65	...	...	...	+18.926	-14.688	0.80	...	...
...	6.442	-10.337	-5	M	...	...	7.802	-13.053	-5	m	...	*	19.063	+56.824	1.05	43. 602	10.2
...	6.288	+10.571	0.70	...	...	...	8.101	+52.613	-5	...	...	...	19.266	-43.729	-5	m	...
*	6.254	+31.109	1.00	...	...	...	8.110	-4.495	0.70	...	...	...	19.485	-10.748	-5	m	...
...	6.114	+23.479	0.65	...	...	...	8.358	+18.289	-5	m	...	*	19.785	-8.184	1.05	44. 655	10.2
231	-6.007	-2.496	1.30	44. 649	9.2	291	+8.368	+28.641	-4	m	...	351	+20.382	+25.622	-5	...	...
*	5.925	-14.518	-5	M m	...	...	8.486	+57.763	-5	...	...	...	20.454	-41.323	-5	m	...
...	5.791	+3.979	-1	B	...	...	8.534	-3.664	0.90	...	...	...	20.876	+19.604	-5	m	...
...	5.608	-2.240	-5	M m	...	...	8.630	+32.839	-5	m	...	...	20.902	+29.479	0.65	...	...
*	5.585	-15.537	1.00	...	...	...	9.337	+58.379	-1	...	...	S*	20.911	-18.924	3.15	44. 656	7.3
...	-5.194	-13.801	-5	M m	...	...	+9.407	-50.864	-5	...	...	*	+21.220	+45.837	1.40	43. 603	9.2
...	4.866	-45.915	-5	M	...	...	9.694	-30.488	-5	m	...	...	21.250	-41.585	0.90	...	...
...	4.709	+3.685	-4	M m	...	...	9.711	-26.785	-4	...	...	*	21.634	-50.578	1.00	...	...
...	4.610	+13.666	-4	M m	...	...	9.828	+50.846	-5	m	...	...	22.158	+10.087	-4	m	...
...	4.584	+52.915	-3	...	...	...	10.139	-0.335	-5	m	...	...	22.167	-33.958	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I						61						121					
...	-58.842	+23.573	-5	...	...	...	-39.850	+50.260	-3	...	...	...	-25.494	+19.091	-4	M	...
...	58.776	+48.060	-2	...	...	...	39.455	-6.465	-5	M	...	...	25.109	+26.621	-5	...	...
...	58.591	+25.203	0.90	43. 610	10.2	...	39.439	+37.360	-4	...	...	...	24.864	+29.769	-3	...	...
*	58.475	+29.344	1.15	43. 611	10.2	*	39.425	+46.852	1.10	43. 616	10.2	...	24.717	-8.742	-3	...	...
...	58.196	+18.637	-5	...	...	...	39.265	-30.184	-1	...	...	...	24.510	-21.664	0.70	...	...
*	-58.068	+13.385	1.35	43. 612	9.4	...	-39.140	-13.429	-5	M	...	...	-24.471	-21.078	0.70	...	...
*	57.926	+33.593	1.15	43. 613	10.0	...	38.659	-25.462	0.65	...	...	...	23.931	-49.765	-5	M	...
*	57.163	-1.169	1.00	...	...	...	38.489	+15.240	1.00	43. 617	10.2	...	23.859	-13.317	-5	...	...
...	56.643	+5.335	-1	...	...	...	38.241	-23.047	-3	...	...	...	23.821	+24.705	1.00	...	...
*	56.141	+41.817	2.10	43. 614	8.8	*	37.727	-21.921	1.35	44. 673	9.0	...	23.490	-31.773	0.70	...	...
II						71						131					
*	-55.659	-4.524	1.30	44. 667	9.2	*	-37.577	+11.328	1.00	...	...	...	-23.419	-34.596	-5	M	...
...	54.623	-48.903	-2	...	...	...	36.386	-24.523	-5	...	...	...	23.383	-40.846	-4	...	...
...	54.514	+37.252	-4	M	...	...	36.255	+44.094	-2	...	...	...	23.141	-13.379	-5	...	...
...	54.441	-6.752	-2	...	...	...	35.811	+3.815	-4	...	...	...	22.702	-35.732	-4	...	...
...	54.273	+7.278	-2	...	...	...	35.636	-37.930	-3	...	...	*	22.518	+1.485	1.00	43. 626	10.2
*	-54.244	-31.025	1.10	44. 668	10.2	S*	-35.634	-51.392	2.20	44. 674	8.5	...	-22.182	+4.075	-3	...	...
...	54.196	-42.326	-5	...	...	...	35.625	+19.660	-4	...	...	...	21.735	+40.615	-5	...	...
...	53.938	-13.689	-4	...	...	...	35.585	+52.540	-5	...	...	...	21.730	-52.271	-5	...	...
...	53.576	+6.234	0.90	...	...	...	35.560	-48.697	-5	...	...	...	21.520	+42.886	-2	...	...
S*	52.919	-32.911	1.23	44. 669	9.6	*	35.338	+55.934	1.50	43. 620	9.4	...	20.914	+59.402	-3	...	...
21						81						141					
...	-52.649	-11.445	0.75	...	...	S*	-35.270	+8.853	1.75	43. 618	8.4	...	-20.686	-12.506	-5	...	...
*	52.374	-29.112	1.05	44. 670	10.2	*	35.247	+24.819	2.00	43. 619	8.0	...	20.237	+2.366	0.85	...	...
...	51.505	+27.668	0.90	...	...	†	35.105	+31.415	0.80	...	...	...	20.140	-32.577	-2	...	...
...	51.264	-25.976	-3	...	...	†	34.904	-30.797	-5	...	...	*	19.894	-19.863	1.15	44. 679	9.9
*	50.703	-51.640	1.00	...	...	...	34.841	-38.826	-5	M	...	*	19.790	+58.267	1.20	43. 627	10.2
...	-50.491	-22.142	-2	E	...	...	-34.467	+22.560	-5	...	...	...	-19.463	-37.862	-4	...	...
...	50.258	+6.518	-5	M	...	...	34.372	-13.780	-5	M	...	...	19.330	+30.614	-1	...	...
...	49.843	+30.014	-5	M	...	...	34.322	+3.712	0.80	...	...	...	18.534	-8.688	-4	...	...
...	49.797	-19.375	0.80	...	...	...	33.943	+36.960	-5	M	...	...	18.195	-11.079	0.80	...	...
...	49.762	-4.577	-4	E	...	...	33.318	-47.946	-5	M	...	S*	18.181	-9.618	1.23	44. 680	9.6
31						91						151					
...	-49.512	-23.550	0.90	...	...	...	-33.126	+10.931	-2	...	...	...	-18.142	+59.126	0.80	...	...
†	49.165	-34.690	0.70	...	...	...	32.878	+10.304	-5	M	...	...	17.527	+45.860	-5	M	...
...	49.124	-47.003	-5	...	...	...	32.706	+31.823	-5	M	...	...	17.028	-19.870	-5	M	...
*	48.577	-15.399	1.00	...	...	*	32.562	+17.871	1.05	43. 621	10.0	...	17.017	+56.525	-4	...	...
...	47.800	-13.866	-4	...	...	...	32.552	+12.491	-5	...	...	...	16.851	+38.505	-5	M	...
...	-47.686	+54.546	-1	...	...	...	-32.247	-42.584	-2	...	...	...	-16.030	+3.784	-3	...	...
...	47.624	-24.667	0.85	...	...	...	32.212	-17.850	-5	...	...	...	15.685	-17.040	-2	...	...
...	47.062	+52.980	-4	...	...	...	31.776	-1.276	0.70	...	...	†	15.445	+30.188	1.10	43. 628	9.8
*	46.804	-28.977	1.05	44. 671	10.2	*	31.448	+20.498	1.90	43. 622	8.4	...	15.376	+36.561	0.90	...	...
...	46.747	+12.972	0.90	...	...	...	30.745	+39.508	-4	...	...	...	14.809	+50.595	-3	...	...
41						101						161					
...	-46.730	-1.051	-5	M	...	...	-30.662	-59.013	0.65	...	...	...	-14.638	+5.052	-5	M	...
...	46.097	-42.028	-5	...	...	...	30.217	+47.693	-5	...	...	...	14.536	-56.415	-5	...	...
...	44.582	+23.237	-4	...	...	...	29.914	+36.404	-4	...	...	...	14.487	+5.668	-3	...	...
...	44.348	+17.903	-5	M	...	*	29.852	+7.497	1.10	43. 623	9.7	†	14.374	+40.070	-4	...	...
...	44.321	+27.331	-3	...	...	*	29.738	+58.342	1.10	43. 624	10.2	...	14.115	-14.362	-5	M	...
...	-44.222	-23.112	-5	...	...	*	-29.315	-46.813	1.10	44. 675	10.0	...	-13.659	-18.648	-5	M	...
...	44.153	+24.739	-5	...	...	*	29.077	+13.680	2.00	43. 625	8.2	...	12.204	+6.733	-2	...	...
*	43.945	-8.249	1.00	44. 672	10.2	...	28.920	+59.049	-5	...	...	...	11.942	+20.788	-5	M	...
...	43.851	-53.651	-3	...	...	...	28.770	+31.889	0.90	...	...	...	11.901	-59.274	-5	M	...
...	43.411	-23.441	-5	...	...	*	28.669	-47.520	1.05	44. 676	10.2	...	11.859	-14.802	-5	M	...
51						111						171					
...	-43.396	+36.007	-5	...	...	...	-28.380	-25.923	-4	...	...	...	-11.717	-48.001	-5	M	...
...	43.244	+52.891	-5	...	...	*	28.278	-21.448	1.10	44. 677	9.8	...	11.607	+5.991	-5	M	...
...	42.984	+47.510	-2	...	...	*	27.950	+26.899	1.00	...	...	...	11.449	-8.970	-4	...	...
...	42.796	-37.099	-4	...	...	*	27.789	-35.207	1.10	44. 678	10.2	...	11.369	+25.819	-5	M	...
*	42.500	+50.815	1.05	43. 615	10.2	...	27.746	+32.466	-5	M	...	...	11.095	+37.744	-5	...	...
...	-41.227	+24.034	-5	...	...	...	-27.518	+29.726	-5	...	...	...	-11.022	-50.466	-5	...	...
...	40.987	-49.171	-5	...	...	...	27.387	-21.930	-5	M	...	...	10.796	-3.253	-5	M	...
...	40.749	+3.227	-4	...	...	...	26.490	+10.270	-1	...	...	*	10.626	+1.085	1.00	...	...
...	40.409	-59.374	-5	M	...	...	26.085	+21.734	-5	M	...	...	10.614	-55.528	-3	...	...
†	39.991	+13.950	0.80	...	...	...	25.721	+1.004	-4	M	...	...	10.612	+9.166	-5	M	...

S measured from 1, 103, 221, 334.
 SB " " 43, 160, 267, 385.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241 300						301 360					
181	-10.533	+ 4.787	- 3	...	...	241	+ 5.885	-20.163	- 2	M	...	301	+ 20.126	- 57.958	- 5	...	...
*	10.231	-36.309	1.15	44. 681	10.0	...	5.964	+49.396	- 3	...	...	*	20.381	+ 7.405	1.10	43. 637	9.8
...	10.225	+25.425	- 5	M	...	...	6.051	-23.068	0.85	...	...	...	20.927	-19.385	- 5	...	...
†	10.217	+54.555	- 2	...	...	*	6.602	-48.596	1.00	...	...	...	21.122	+13.596	3	...	...
...	9.936	+34.195	- 4	...	...	...	6.605	-32.992	- 2	...	...	...	21.237	+40.081	- 4	...	...
...	- 9.763	-19.597	- 4	...	...	...	+ 6.777	-18.466	- 4	...	...	...	+ 22.195	-49.843	- 4	...	...
...	9.080	-41.376	- 2	...	...	...	7.165	-47.867	0.70	...	...	...	23.025	+ 31.859	- 4	...	...
...	8.828	+10.873	- 5	M	...	...	8.620	+28.295	0.65	...	...	...	23.517	+ 55.527	- 5	...	...
...	8.802	+38.155	- 5	M	...	...	8.932	+ 25.282	- 3	...	...	...	23.533	+ 1.404	- 4	...	...
...	8.731	-45.407	- 3	...	...	...	8.975	-38.992	- 4	...	...	...	23.611	+46.996	5	m	...
191	- 8.430	+36.387	1.20	43. 629	10.0	251	+ 9.866	- 7.260	1.10	44. 684	10.2	311	+ 23.641	2.575	- 4	...	...
*	8.210	-10.643	0.80	...	...	†	10.086	-12.805	- 5	m	...	...	23.826	+28.953	0.65	...	...
...	7.025	-33.627	- 2	...	...	...	10.287	-38.996	0.75	...	...	...	24.165	+18.319	- 5	...	...
...	6.855	-27.228	- 4	...	...	*	10.504	-40.347	1.00	44. 685	10.2	...	* 25.321	-57.546	1.20	44. 686	10.0
...	6.785	-17.883	- 3	...	...	...	12.225	+ 1.946	0.80	...	...	...	25.400	+42.533	5	...	...
*	- 6.573	+22.769	1.00	...	...	...	+12.490	-34.838	- 5	m	...	S *	26.261	-24.358	1.20	44. 687	9.6
...	6.400	-31.366	- 2	...	...	...	12.598	+18.917	0.80	...	...	*	26.284	+22.530	1.00	43. 638	10.2
*	5.767	- 8.034	1.20	44. 682	9.9	...	12.851	+59.310	- 2	...	...	*	26.636	+24.514	1.10	43. 639	10.2
*	5.640	+46.671	1.05	...	...	*	13.099	+44.742	1.10	...	...	S *	26.642	-32.224	2.00	43. 640	8.1
...	4.716	+35.421	- 2	...	...	...	13.281	- 2.493	- 5	m	...	...	26.952	+20.073	- 5	m	...
201	- 4.599	+21.488	1.15	43. 630	10.2	261	+13.281	-58.984	0.70	...	...	321	-27.254	-48.580	0.90	...	...
*	4.355	+54.794	- 5	...	...	...	13.496	-20.372	- 1	...	...	...	27.431	-12.068	- 5	m	...
...	4.182	-11.731	- 4	M m	...	...	13.677	-38.560	- 2	...	...	...	27.446	-38.167	- 5	...	...
...	3.853	+ 7.915	- 4	m	...	*	14.092	-27.321	1.05	...	...	...	27.547	52.023	- 5	m	...
S *	3.827	+10.724	1.23	43. 631	9.4	...	14.245	-47.379	- 5	...	...	...	27.855	-34.119	- 4	...	...
...	- 3.787	-18.044	0.80	...	...	...	+14.590	-29.855	0.65	...	...	...	+28.042	-13.986	- 5	m	...
...	3.769	-56.391	- 3	...	...	†	14.910	-34.988	- 4	...	...	...	28.251	+19.720	0.85	...	...
...	3.643	+20.284	- 1	...	...	*	14.934	+23.939	1.25	43. 634	9.2	...	28.520	+46.447	- 5	...	...
*	3.468	-40.707	1.00	...	...	...	15.281	+49.114	- 5	...	...	...	28.898	+51.308	- 5	...	...
...	3.452	-21.840	- 4	...	...	...	15.401	-50.202	- 3	...	...	...	29.394	-40.965	0.90	...	...
211	- 2.978	+12.291	- 2	...	...	271	+15.455	+17.664	- 4	...	...	331	-29.559	-35.064	- 5	m	...
...	2.510	- 1.948	- 5	M m	...	S *	15.668	+ 3.238	1.33	43. 635	9.0	...	29.641	- 8.267	- 5	m	...
...	2.227	+12.107	- 2	...	...	...	15.759	+12.943	- 5	m	...	...	29.775	-2.872	- 3	...	...
...	1.913	+28.588	0.70	...	...	...	15.771	+24.184	- 4	...	...	...	30.018	+22.422	- 2	...	...
...	1.772	+31.182	- 5	M	...	...	15.827	+17.768	- 5	...	...	†	30.104	-55.188	- 4	...	...
...	- 1.582	+15.335	- 5	M m	...	...	+16.044	-55.372	- 5	...	...	...	+30.717	-35.284	- 3	...	...
S *	0.945	+53.194	1.23	43. 632	9.0	...	16.114	+31.065	- 4	...	...	...	30.724	-23.031	0.90	...	...
*	0.634	-25.350	1.00	...	...	...	16.133	+53.552	- 3	...	...	...	30.825	-44.158	- 4	...	...
...	0.503	-25.073	- 5	m	...	...	16.345	+13.574	- 1	...	...	...	30.977	+5.366	- 4	...	...
†	0.205	+34.695	- 1	...	...	...	16.472	-25.527	- 4	...	...	...	31.249	-35.447	0.80	...	...
221	- 0.033	+24.914	- 4	m	...	281	+16.519	+31.144	- 4	...	...	341	-31.412	+49.235	0.90	...	...
†	- 0.004	-40.710	- 2	...	...	...	16.863	+53.176	- 5	...	...	*	31.472	-11.782	1.25	44. 688	9.7
...	+ 0.038	-26.886	- 3	...	...	...	16.869	+18.065	- 3	...	...	...	31.581	-46.523	- 3	...	...
*	0.130	+33.016	1.10	43. 633	10.0	...	17.270	30.079	- 4	...	...	...	31.662	+34.181	- 5	...	...
...	0.542	-13.145	0.85	...	...	...	17.889	+37.504	- 2	...	...	...	31.730	-35.092	- 2	a	...
...	+ 0.761	-38.043	0.80	...	...	...	+18.145	+ 5.760	- 5	m	...	*	31.741	-47.318	1.25	43. 641	9.7
...	0.978	-47.023	- 4	...	...	...	18.353	+ 3.149	- 5	...	...	...	32.455	+39.766	- 5	...	...
...	1.447	+23.223	0.90	...	...	...	18.533	+36.451	- 4	...	...	...	32.559	10.735	- 2	...	...
...	1.503	+58.925	- 3	...	...	...	18.540	+38.444	- 3	...	...	...	32.979	37.835	- 2	...	...
...	2.241	-42.876	- 5	M m	...	...	18.715	+29.333	- 3	...	...	...	33.284	-46.016	0.65	...	...
231	+ 2.377	+39.943	- 2	...	...	291	+18.774	-27.822	- 4	...	...	351	-33.440	-21.761	- 3	a	...
...	2.500	+13.521	0.75	...	...	...	18.972	-47.194	- 5	m	...	...	34.903	+18.674	5	m	...
...	3.290	-19.065	- 4	M m	...	...	19.180	+ 4.356	- 5	...	...	*	36.048	-48.226	1.20	44. 689	9.9
...	3.541	-59.442	0.85	...	...	...	19.570	-10.967	- 4	...	...	*	36.349	+18.504	1.00	43. 642	10.2
*	3.556	-11.239	1.20	44. 683	9.6	...	19.580	-40.938	- 5	m	...	...	36.657	-16.703	5	m	...
...	+ 4.314	+44.060	- 4	M	...	...	+19.647	-57.559	- 5	...	...	S *	36.937	0.113	1.05	44. 690	8.5
...	4.673	+27.262	- 3	...	...	†	19.759	+44.459	1.10	43. 636	10.0	...	36.951	-49.204	0.85	...	...
...	5.182	-16.802	- 2	...	...	†	19.848	40.789	- 1	...	...	...	37.402	+18.012	- 3	...	...
...	5.535	+28.862	- 3	...	...	...	19.958	+35.629	0.80	...	...	...	37.405	-20.055	- 2	...	...
...	5.866	+ 8.761	- 5	m	...	...	20.120	+22.852	- 5	...	...	...	37.441	+28.398	- 5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.										
	x.	y.		-i.	No.		Mag.	x.		y.	-i.		No.	Mag.		x.	y.	-i.	No.	Mag.						
361-390						391-420						421-438														
361	+	37·518	+	14·863	1·10	43·643	10·2	391	+	46·006	-	21·545	-	4	...	...	421	+	53·669	-	56·121	-	5	...	...
*	+	37·873	+	7·243	-	1	...	...	+	46·014	+	36·833	-	5	...	...	...	+	53·754	-	3·691	-	1	...	...
...	†	37·901	-	24·591	-	2	...	...	*	46·730	-	18·452	1·20	44·691	9·9	...	...	+	53·778	-	8·246	-	5	...	...
...	...	38·094	-	16·545	-	5	<i>m</i>	...	...	46·761	-	33·967	-	2	...	...	...	+	54·048	-	7·680	-	4	...	...
N	...	38·095	-	10·172	0·65	<i>a</i>	...	...	...	46·762	+	33·965	-	3	...	...	...	+	54·135	-	17·786	-	4	...	...
*	+	38·259	+	1·681	1·20	43·644	9·7	...	*	47·152	+	18·785	1·05	...	...	...	S*	+	54·384	+	57·923	3·00	43·647	7·6	...
...	...	38·765	+	19·860	0·90	...	...	...	...	47·357	+	27·138	-	5	...	...	...	+	54·645	+	6·949	-	3	...	...
...	...	39·155	-	32·070	-	5	<i>m</i>	...	...	47·534	+	29·147	-	3	...	...	...	+	55·145	-	31·909	-	2	...	...
...	...	39·786	-	20·185	-	4	<i>m</i>	...	...	47·639	-	37·748	-	5	...	...	...	+	55·601	-	6·102	-	5	<i>m</i>	...
...	...	40·456	+	14·337	0·70	...	...	S*	47·890	-	40·800	1·25	44·692	9·4	...	...	...	+	55·984	+	4·083	-	5	...	...
371	+	40·753	+	34·507	-	5	401	+	47·970	-	43·852	-	5	431	+	56·160	+	41·494	-	1
*	+	40·853	+	48·763	1·05	43·645	10·2	...	*	48·084	-	32·319	1·30	44·693	9·4	S*	+	56·401	-	9·291	1·50	44·695	8·6	...
...	...	40·964	+	14·076	-	5	...	...	...	48·195	+	44·462	-	4	...	...	...	+	56·474	+	47·795	-	2	...	...
...	...	41·347	-	12·484	-	5	<i>m</i>	...	*	48·261	+	29·615	1·00	...	...	...	...	+	56·717	+	29·472	1·35	43·648	9·2	...
*	+	42·290	+	17·247	1·35	43·646	9·4	...	...	48·519	-	56·351	-	5	...	...	...	+	57·618	-	14·718	1·10	44·696	10·2	...
...	+	42·656	-	57·850	-	2	...	...	...	48·519	-	56·351	-	5	...	...	...	+	57·618	-	14·718	1·10	44·696	10·2	...
...	...	42·730	+	5·757	0·70	...	...	...	...	48·562	+	9·779	-	1	...	...	...	+	57·673	+	20·938	-	1	...	...
...	...	42·730	+	5·757	0·70	...	...	...	...	48·958	+	5·932	-	5	<i>m</i>	...	...	...	58·586	-	28·079	-	3	...	...
...	...	42·837	-	10·630	-	5	<i>m</i>	...	...	49·780	+	42·875	-	4	...	...	...	...	59·192	-	23·065	-	2	...	...
...	†	43·228	-	4·714	-	5	...	...	...	49·854	-	0·048	0·65	<i>f</i>	...	...	...	...	...	...	...	...	...	...
...	...	43·563	-	32·555	0·75	...	...	...	...	50·068	-	6·972	-	4	...	...	...	...	...	...	...	...	...	...
381	+	43·771	+	23·141	-	2	...	...	411	+	50·199	+	0·428	-	2	...	...	...	...	...	...	...	...	...	...
...	...	44·273	+	35·640	-	5	<i>m</i>	...	...	50·684	-	7·674	-	5	<i>m</i>	...	...	...	...	...	...	...	...	...	...
...	...	44·389	+	58·073	-	5	...	...	...	50·761	-	1·809	-	5	...	...	...	...	...	...	...	...	...	...	...
...	...	44·608	-	24·691	-	5	...	...	...	51·536	-	2·901	-	5	...	...	...	...	...	...	...	...	...	...	...
...	...	45·033	-	27·426	-	2	...	...	...	51·726	-	16·388	-	4	...	...	...	...	...	...	...	...	...	...	...
...	+	45·385	-	28·589	-	5	...	...	...	52·876	-	25·215	-	5	<i>m</i>	...	...	...	...	...	...	...	...	...	...
...	...	45·401	-	33·504	-	5	<i>m</i>	...	...	53·029	+	16·273	-	5	...	...	...	...	...	...	...	...	...	...	...
...	...	45·481	-	22·605	-	4	...	...	...	53·032	+	23·459	-	3	...	...	...	...	...	...	...	...	...	...	...
...	...	45·529	-	6·704	-	4	...	...	*	53·196	-	38·273	1·30	44·694	9·7	...	...	...	...	...	...	...	...	...	...
...	...	45·692	-	2·158	-	2	...	...	...	53·392	+	29·739	-	5	...	...	...	...	...	...	...	...	...	...	...

365. 45° 34, obscured by réseau.

1-20						21-40						41-80														
I	-	59·646	+	9·611	0·65	...	...	21	+	50·883	+	21·037	0·75	...	...	41	-	44·500	-	43·094	-	4	...	...
...	...	59·432	+	42·707	-	5	...	...	...	49·863	-	14·589	1·20	44·696	10·2	*	+	44·457	+	38·615	1·80	43·649	9·0	...	
...	...	59·154	-	37·929	-	5	...	...	...	49·164	+	24·383	-	5	...	...	...	+	44·343	-	30·152	-	2	...	...
*	+	58·861	-	32·484	1·90	44·693	9·4	...	...	48·494	-	27·914	-	3	...	...	...	+	44·340	-	44·300	-	2	...	...
S*	+	58·789	-	40·967	1·40	44·692	9·4	...	*	48·137	+	36·717	1·10	...	...	...	...	+	44·142	+	42·283	0·90	...	...
...	...	58·080	-	0·177	0·70	F	...	...	...	48·061	-	22·896	-	2	...	...	...	*	-	43·681	-	29·258	1·10	...	...
...	...	57·736	+	0·308	-	2	47·954	+	31·219	-	5	+	43·411	-	29·546	-	2
...	...	57·655	-	7·090	-	5	47·156	+	50·288	-	4	+	43·310	-	23·256	-	4
...	...	55·712	-	16·452	-	5	46·240	-	34·884	0·65	+	43·106	+	11·987	-	5
...	...	55·604	+	23·412	-	3	...	...	*	46·064	+	26·850	1·00	...	...	...	...	...	+	42·960	-	27·268	0·70	...	...
II	-	55·291	+	57·898	3·40	43·647	7·6	31	-	46·051	-	26·877	1·05	...	...	51	-	42·616	-	53·122	1·50	44·697	9·8	...	
S*	+	54·059	-	3·690	0·70	...	...	...	*	45·976	-	45·775	-	2	...	...	...	*	+	42·530	+	12·204	1·90	43·650	8·9
...	...	53·656	-	7·693	-	5	...	...	...	45·836	+	10·132	-	2	...	...	...	*	+	41·929	-	10·159	1·20	44·698	10·0
*	+	53·567	-	38·288	1·40	44·694	9·7	...	...	45·818	+	38·581	-	5	...	...	...	*	+	41·923	-	27·984	1·00	...	...
...	...	53·497	+	6·963	-	4	...	...	...	45·643	-	56·343	-	5	...	...	...	*	+	41·901	+	15·846	1·00	...	...
...	...	53·028	+	41·525	0·80	45·596	-	59·029	-	2	+	41·691	+	35·223	-	5
...	...	52·899	+	47·817	0·80	...	...	...	...	45·097	+	37·512	-	5	...	...	...	...	+	41·650	+	3·622	0·80	...	...
*	+	52·087	+	29·536	1·80	43·648	9·2	44·977	-	20·524	-	5	M	+	41·198	+	22·447	-	5
...	...	51·802	-	31·852	-	3	44·845	+	23·606	-	3	+	41·091	-	21·859	-	2
S*	+	51·240	-	9·210	2·10	44·695	8·6	44·798	-	5·090	-	5	+	39·381	+	19·793	-	4	M	...

S measured from 1, 60, 130, 200, 262, 327.
SB ,, ,, 22, 86, 164, 231, 294, 362.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
61-120						121-180						181-240							
61	-38.480	-28.928	0.90	...	...	121	-23.214	-32.526	1.10	...	...	181	-5.577	-25.306	1.20	43. 659	9.8	
...	37.611	+39.979	-4	...	...	...	22.673	+39.521	1.10	43. 654	10.2	...	4.905	-51.501	-5	...	...
...	37.255	-29.227	0.90	...	...	...	21.784	-54.478	5	M	...	...	4.113	9.474	-1	...	...
...	36.696	+26.027	0.70	...	...	...	21.537	-13.126	5	...	...	...	3.932	44.508	5	...	...
*	35.909	-30.894	1.05	...	...	...	21.398	-58.500	0.90	...	...	...	3.836	-37.690	1.05	...	...
...	-35.883	+3.372	-5	M	...	...	-21.389	-11.679	-3	...	...	...	3.172	8.198	5	M m	...	
...	35.837	+43.452	-4	...	...	...	20.599	-29.380	1.20	44. 703	10.2	...	3.038	48.058	1.10	44. 706	10.2	
*	35.614	+8.176	1.05	...	...	...	20.098	-33.372	5	...	...	...	2.877	24.895	4	...	...
...	35.418	+32.470	-4	...	...	...	20.098	-42.661	1.00	...	...	...	2.516	-20.387	5	M m	...	
*	35.351	+15.673	1.05	...	...	...	19.878	+14.990	-5	...	...	...	2.233	-57.383	-4	...	...
71	-35.261	-16.887	-2	...	...	131	-19.725	-1.093	-4	...	...	S *	1.920	-29.312	1.23	43. 660	9.9	
...	35.218	+32.772	-3	...	...	...	19.591	-6.587	-4	...	...	...	1.842	-24.702	-5	M	...	
*	34.811	-19.120	1.15	44. 699	10.2	...	19.239	+41.451	-5	...	...	...	1.662	-32.786	1.05	...	...
...	34.322	-18.614	-5	...	...	...	19.235	+41.618	0.80	...	...	S *	1.548	+9.286	2.00	43. 661	8.6	
*	33.383	+27.899	1.50	43. 651	9.0	...	18.861	-6.030	0.70	...	...	...	1.220	-35.424	5	...	...
†	-33.180	+40.132	0.70	...	...	...	-18.348	+53.103	-1	...	...	...	1.035	-36.901	1.00	...	...
...	33.167	-50.900	0.80	...	...	...	17.923	+48.860	-5	...	...	...	0.672	-40.131	-3	...	...
...	32.905	+43.991	-5	...	...	...	17.922	+17.167	-5	...	...	...	0.636	-10.146	1.15	43. 662	10.2	
...	32.662	+13.284	-5	...	...	...	17.368	+1.347	-5	...	...	...	0.274	-33.106	1.00	...	...
...	32.478	-21.751	-4	M	...	...	17.125	-25.584	-5	M	...	...	†	0.016	-19.411	0.80	...	...
81	-31.869	-10.348	1.10	...	...	141	-16.706	+19.241	-5	...	...	201	†	0.013	-58.895	0.80	...	...
*	31.072	-39.038	-5	...	...	...	16.494	+48.216	1.30	43. 655	9.9	...	*	0.468	-44.384	1.00	...	...
*	30.883	-53.467	1.15	44. 700	10.2	...	16.274	+2.127	0.80	...	...	...	...	0.632	-16.102	-4	m	...
*	30.571	+21.669	2.00	43. 652	8.8	...	16.234	+12.730	-2	...	...	...	...	1.150	-58.935	0.65	...	...
...	30.188	+12.283	-2	...	...	...	16.234	+12.730	-2	...	...	...	...	2.540	-25.488	-3	...	...
...	-29.847	+17.272	0.90	16.111	+47.704	-3	†	3.264	-4.279	-5	M m	...
...	29.836	+38.468	-4	...	...	...	-15.721	-22.168	1.10	...	...	...	*	3.886	-5.615	1.60	43. 663	9.2
...	29.686	-26.807	0.70	...	...	...	15.650	+2.803	-5	...	...	...	S *	4.053	-35.132	1.43	44. 707	9.0
...	29.616	-36.872	-5	...	...	...	15.410	+22.182	0.75	...	...	...	...	4.713	-43.009	0.90	...	...
...	29.571	-4.366	-5	M	...	...	15.317	+38.599	-5	...	...	...	...	4.814	-9.883	-1	...	...
91	-29.272	-2.286	-3	...	...	151	-14.552	-47.248	-2	...	...	211	†	4.847	-10.994	1.15	44. 708	10.2
*	29.224	-34.886	1.20	44. 701	9.8	...	14.433	+7.369	1.40	43. 656	9.6	...	...	5.301	-31.266	0.80	...	...
...	28.332	+17.721	-2	...	...	...	14.042	+39.611	-2	...	...	...	...	5.609	-10.998	-4	M	...
...	28.228	-24.775	-3	...	...	...	13.882	-38.987	-4	...	...	...	...	5.855	-48.288	0.90	...	...
...	28.156	+59.956	-5	...	...	...	13.715	+11.893	-5	...	...	...	...	5.971	-42.237	-5	...	...
...	-28.099	+56.370	0.90	S *	-13.226	-58.504	2.15	44. 705	8.8	†	6.051	-20.355	0.90
...	27.858	+52.763	-3	...	...	...	13.053	-18.750	0.70	...	...	...	*	6.604	-40.790	1.45	44. 709	9.4
...	27.839	+38.649	-4	...	...	...	12.960	+39.094	-5	...	...	...	...	7.201	28.222	-5	...	...
...	27.824	+17.339	-5	...	...	...	12.617	-44.515	0.80	...	...	...	...	7.523	-7.744	4	m	...
...	27.714	+33.454	-5	12.365	-17.983	1.10	†	7.611	-29.504	1.45	44. 710	9.2
101	-27.490	-2.919	1.10	...	...	161	-11.699	+53.056	1.10	...	...	221	†	7.703	-56.082	-4	...	...
...	27.171	+17.060	-5	...	...	...	10.281	+18.742	0.70	...	...	...	...	7.727	-33.010	-4	...	...
...	27.040	+19.751	-5	M	...	...	10.207	-12.048	-4	...	...	...	...	7.901	-49.523	-5	...	...
...	26.849	+4.257	-4	...	...	...	9.965	-4.790	-3	...	...	N	8.147	-37.004	-1	...	...
...	26.270	-32.008	-4	...	...	...	9.505	+24.139	-5	M	...	...	...	8.514	-7.497	-5	m	...
*	-26.171	-32.348	1.00	S *	-9.432	-26.624	2.30	43. 657	8.2	†	8.856	-57.744	0.90
...	26.044	-59.453	-5	...	...	...	9.192	-9.116	-3	...	...	...	...	9.290	-14.750	-2	a	...
*	26.004	+28.574	1.10	...	...	...	9.134	-20.701	-5	M	...	...	...	9.444	48.059	5	...	...
*	25.794	-57.769	1.20	44. 702	10.2	...	8.911	-56.325	-5	...	...	...	...	9.557	-0.270	-3	...	...
...	25.682	-38.856	-4	...	...	...	8.473	+0.089	-3	F	...	...	...	9.676	-40.862	2	...	...
111	-25.575	+9.732	0.75	...	...	171	-7.830	24.311	-3	...	...	231	†	9.902	-34.717	0.85	...	...
...	25.526	-34.948	-4	...	...	...	7.305	+33.779	-5	...	...	...	...	10.132	32.770	2	...	...
†	25.059	+30.059	1.20	43. 653	9.8	...	7.246	-9.697	-5	...	...	...	...	10.253	-51.917	-5	...	...
...	24.688	+36.165	-3	...	...	...	7.123	37.127	5	...	...	...	...	10.425	34.519	4	...	...
...	24.098	-7.794	-4	...	...	...	6.886	+19.664	-1	...	...	...	*	10.700	-27.302	1.10	43. 684	10.2
...	-23.985	+12.900	-5	-6.811	-53.680	-5	†	10.812	48.302	4
...	23.729	+19.126	-3	6.728	-50.615	-5	11.401	50.400	5
...	23.475	+35.235	-5	*	0.241	+45.804	1.10	43. 658	10.2	†	12.328	57.921	1.37	44. 711	9.0
...	23.333	-6.935	-5	0.015	-36.724	-5	†	12.647	-59.402	1.10	45. 678	10.2
*	23.265	-14.090	1.00	5.847	24.779	-1	†	12.729	-58.088	-5

224. Obscured by fault; 2nd image measured and corrected

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
241-300						301-360						361-396					
241	...	...	...	...	...	301	...	...	...	...	...	361	...	...	...	...	...
...	+12·869	-50·164	-1	...	...	...	+31·713	-22·216	-3	...	...	...	+49·148	-17·063	-5	...	...
...	13·586	-5·708	-5	<i>m</i>	...	...	31·760	-3·895	1·10	44·719	10·2	...	49·787	+36·175	-3	...	...
...	14·259	-7·297	-5	...	...	...	32·070	+5·739	-5	<i>m</i>	...	...	50·218	+30·828	-5	...	...
...	14·321	+11·325	-5	<i>m</i>	...	<i>n</i> *	32·180	+41·729	1·30	43·670	8·5	*	50·285	+3·606	1·20	43·679	10·2
*	14·632	+38·816	1·05	...	...	*	32·255	+54·174	1·30	43·669	9·9	...	50·407	+26·854	-3	...	...
...	+15·318	-45·742	-5	...	...	<i>Sn</i> *	+32·491	+41·643	2·25	43·670	8·5	...	+51·012	+6·612	-5	...	...
...	15·389	-43·741	-3	...	...	*	32·944	+26·162	1·30	43·671	9·6	*	51·506	-12·847	1·10	...	...
...	15·648	+3·290	-4	<i>m</i>	...	...	33·278	-34·898	-5	...	...	...	51·578	-19·648	-3	...	...
...	16·317	+26·735	-4	...	...	...	33·723	+59·630	-4	...	...	...	51·869	-9·687	-2	...	...
...	16·717	-31·483	-1	...	...	...	33·898	-11·180	-2	...	...	...	52·748	+36·883	-4	...	...
251	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...
*	+17·199	-28·050	1·00	...	...	...	+34·480	-49·056	0·75	...	...	...	+53·208	+42·020	-3	...	...
...	17·456	-21·210	-5	...	...	†	34·696	+10·102	-4	...	...	*	53·243	+19·605	1·15	...	...
...	17·705	-21·703	-5	...	...	...	35·013	+8·841	-4	...	...	*	53·396	+4·302	1·35	43·681	9·8
...	18·009	+31·715	-5	...	...	...	35·296	-17·667	-4	...	...	*	53·668	+22·269	1·30	43·682	9·7
*	18·298	+25·880	1·25	43·665	9·6	...	35·392	+2·186	-5	<i>m</i>	...	*	53·730	+36·929	1·15	43·680	10·2
*	+18·721	-6·350	1·30	44·712	9·6	...	+35·597	-43·280	-4	...	...	...	+53·749	-35·096	-4	...	...
*	18·748	-25·446	1·25	44·713	10·0	...	36·115	+38·705	-4	...	...	<i>S</i> *	53·920	-1·985	1·28	44·727	9·8
...	19·041	-17·986	-2	...	...	...	36·422	+6·961	0·65	...	...	*	54·460	-5·347	1·10	...	...
...	19·497	+48·273	-3	...	...	...	36·960	+37·210	-3	...	...	†	54·606	+33·412	-3	...	...
*	19·570	-12·650	1·20	44·714	10·2	...	37·461	+44·396	-5	...	...	*	55·132	+1·915	1·25	43·684	10·0
261	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...
...	+19·686	+35·407	-5	<i>m</i>	...	...	+37·549	-16·700	-5	...	...	...	+55·311	-12·463	-5	...	...
...	20·353	+5·849	0·80	...	...	*	38·136	+24·754	1·10	...	...	*	55·488	-52·949	1·25	44·728	10·2
...	20·485	-47·324	-5	...	...	*	39·112	-57·383	1·20	44·720	10·2	...	55·671	+11·991	-5	...	...
...	20·536	+34·836	-2	...	...	...	39·340	-28·531	-5	...	...	†	55·805	+50·249	1·40	43·683	9·8
...	20·856	-9·153	-4	...	...	*	39·484	-48·795	1·10	44·721	10·2	*	55·932	-5·988	-5	...	...
...	+21·167	+34·161	-5	...	...	...	+39·623	-39·046	-5	...	...	*	+56·282	-17·887	1·10	44·729	10·2
*	21·433	+39·472	1·20	43·666	10·2	†	39·834	+10·421	-3	...	...	*	56·914	-23·101	1·10	...	...
...	22·413	+56·173	-5	...	...	...	39·996	-27·982	-2	...	...	...	57·219	+8·513	-5	...	...
...	23·157	+4·031	-5	<i>m</i>	...	...	40·082	-12·210	-5	...	...	...	57·369	-19·875	-5	...	...
...	23·354	+4·093	-1	...	...	*	40·325	+14·983	1·05	...	...	<i>S</i> *	57·601	-51·976	1·55	44·730	9·6
271	...	...	...	...	...	331	...	...	...	...	...	391	...	...	...	...	...
...	+23·430	-27·451	-2	...	...	...	+41·020	+30·416	-2	...	...	...	+57·797	-11·968	-5	...	...
...	23·768	+12·052	0·65	...	...	...	41·060	-41·282	-4	...	...	...	58·098	+8·364	0·70	...	...
...	24·237	+36·603	-4	...	...	<i>a</i> *	41·509	-0·059	1·15	44·722	10·2	...	59·057	+36·742	-3	...	...
†	24·768	+47·578	1·20	43·667	10·2	*	41·624	+44·310	1·45	43·672	9·2	...	59·130	+26·294	-3	...	...
†	24·878	-55·340	0·90	44·715	10·2	*	41·829	+47·513	1·20	...	...	*	59·515	-9·486	1·20	44·731	10·2
...	+25·580	-0·168	0·65	...	...	*	+42·080	-10·430	2·20	44·723	8·9	†	+59·628	+3·769	-3	...	...
...	25·829	+40·650	-4	...	...	...	42·259	+33·748	0·80	...	...	...	...	...	...	...	...
...	26·753	+47·889	-5	...	...	*	42·788	+44·082	1·10	43·673	10·2	...	...	...	...	...	...
*	26·798	-29·717	1·15	44·716	10·2	...	43·312	-58·724	-5	...	...	...	...	...	...	...	...
...	26·835	-33·994	-4	...	...	*	43·362	-8·845	1·15	44·724	10·2	...	...	...	...	...	...
281	...	...	...	...	...	341	...	...	...	...	...	...	...	...	...	...	...
*	+26·876	-59·193	2·20	44·717	8·9	*	+43·504	+18·013	1·30	43·674	9·4	...	...	...	...	...	...
†	27·399	-19·616	-1	...	...	<i>Sn</i> *	43·564	-50·350	3·13	44·725	7·7	...	...	...	...	...	...
...	27·515	+26·988	-5	...	...	*	43·572	-57·836	1·20	44·726	10·0	...	...	...	...	...	...
...	27·633	-24·982	0·65	...	...	<i>n</i> *	43·878	-50·507	1·30	44·725	7·7	...	...	...	...	...	...
*	27·740	+14·654	1·20	43·668	10·2	...	43·925	-43·470	-2	...	...	...	...	...	...	...	...
...	+28·275	+32·035	-3	...	...	...	+44·322	+26·919	-2	...	...	...	...	...	...	...	...
...	28·474	-23·417	0·85	...	...	†	44·325	-14·505	1·00	...	...	...	...	...	...	...	...
...	28·511	-25·240	-5	<i>m</i>	...	†	44·506	-54·521	-3	...	...	...	...	...	...	...	...
*	28·668	-5·249	1·40	44·718	9·4	†	44·753	+32·853	0·65	...	...	...	...	...	...	...	...
...	28·898	+30·124	0·75	...	...	†	44·995	+50·344	1·70	43·675	9·0	...	...	...	...	...	...
291	...	...	...	...	...	351	...	...	...	...	...	...	...	...	...	...	...
†	+29·035	+15·344	-5	<i>m</i>	...	...	+45·956	-40·421	-3	...	...	...	...	...	...	...	...
...	29·509	-26·604	-2	...	...	*	46·430	+41·380	1·05	43·676	10·2	...	...	...	...	...	...
†	29·628	+57·362	-2	...	...	...	46·765	-30·621	0·85	...	...	...	...	...	...	...	...
...	29·987	+42·683	-3	...	...	...	46·872	-57·141	-5	...	...	...	...	...	...	...	...
...	30·255	+40·132	-2	...	...	*	47·320	+49·084	1·55	43·677	9·2	...	...	...	...	...	...
...	+30·906	+20·655	-3	...	...	*	+47·353	+10·006	1·30	43·678	9·4	...	...	...	...	...	...
...	30·938	-1·281	-2	...	...	...	47·437	+12·646	0·90	...	...	...	...	...	...	...	...
*	31·301	+17·506	1·00	...	...	...	48·381	+20·003	0·85	...	...	...	...	...	...	...	...
*	31·363	-29·285	1·00	...	...	...	48·765	-37·507	-4	...	...	...	...	...	...	...	...
*	31·583	+31·190	1·10	...	...	...	49·111	-45·379	-2	...	...	...	...	...	...	...	...

304, 306. C.P.D., mass.
342, 344. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
	1-60						61 120						121 180						
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-59·219	+36·028	- 5	...	...	...	-39·318	-21·306	3	...	...	...	-19·801	+56·657	0·90	...	...
...	58·627	+30·713	- 5	...	...	...	39·018	-57·694	- 5	...	...	...	19·226	-48·245	- 4	...	...
...	58·318	+26·745	- 4	...	...	...	* 38·421	-40·359	1·20	44· 732	9·6	...	* 19·162	+26·013	1·45	43· 701	8·6	
*	57·743	+3·488	1·10	43· 679	10·2	...	* 38·073	+31·354	1·00	43· 689	10·2	...	* 18·863	-22·054	1·00	44· 738	10·4		
...	57·424	-45·504	- 4	...	...	...	* 37·821	-42·953	2·10	44· 733	8·0	...	...	18·773	-15·160	- 3	...	
...	-56·279	+36·831	- 5	...	...	...	...	-37·602	+42·538	- 4	...	...	...	-18·759	-45·870	- 5	...	
*	56·022	-12·929	1·05	...	...	...	...	37·241	- 3·289	- 2	...	...	...	18·580	+ 6·642	- 3	...	
...	55·997	+41·968	- 4	...	...	...	...	37·236	+32·443	- 5	...	...	...	18·325	-12·134	2	...	
...	55·759	- 9·741	- 2	...	...	...	...	* 37·151	+40·396	1·20	43· 690	9·7	...	...	18·276	- 0·797	- 5	
...	55·753	-19·709	- 3	...	...	...	...	37·010	-27·165	- 1	...	...	...	18·132	-44·072	0·65	...	
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
*	-55·290	+36·904	1·00	43· 680	10·2	...	...	-36·591	+28·534	- 4	...	...	...	-17·938	-42·791	0·85	...	
*	55·270	+19·563	1·00	...	...	...	...	35·740	-37·834	- 4	...	...	...	16·351	-32·410	- 3	...	
†	54·929	+22·236	1·20	43· 682	9·7	...	...	* 35·446	-54·440	3·00	44· 734	7·5	...	* 16·240	+14·714	1·00	43· 702	
*	54·645	+ 4·278	1·20	43· 681	9·8	...	...	...	35·049	+26·042	- 4	...	...	S* 15·587	-33·178	1·70	44· 739	
...	54·321	+33·423	- 3	...	...	N*	...	...	35·048	+27·628	1·30	43· 692	8·8	...	...	15·123	+50·776	- 4
S*	-53·944	- 1·995	1·18	44· 727	9·8	*	...	...	-35·044	+ 4·063	1·00	43· 691	10·2	...	...	* 13·892	+10·474	1·10
*	53·634	+50·284	1·15	43· 683	9·8	*	34·520	+36·236	2·90	43· 693	7·2	13·507	+ 7·043	- 5
*	53·307	- 5·334	1·05	34·408	+26·027	- 3	13·420	- 7·149	- 2
...	53·098	-35·078	- 1	34·292	+40·344	- 3	* 12·861	-21·660	1·10
*	52·839	+ 1·944	1·10	43· 684	10·0	...	...	...	34·081	-18·533	- 5	...	...	S*	12·780	- 2·303	2·00	44· 741
2I	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-52·632	+12·040	- 5	...	...	...	...	...	-33·768	-16·251	- 4	...	...	...	-12·655	-37·072	- 1	...
...	51·789	- 5·930	- 4	...	...	...	...	...	33·768	-55·180	- 5	...	...	...	12·316	+14·631	- 2	...
*	51·090	-17·814	1·00	44· 729	10·2	...	...	...	33·478	-30·888	- 2	...	...	*	12·018	+46·451	1·10	43· 704
...	50·964	+ 8·603	- 5	...	...	†	...	...	31·772	- 4·919	- 5	...	...	†	11·781	24·843	5	...
*	50·825	-52·876	1·10	44· 728	10·2	...	...	...	31·504	-54·888	0·65	...	...	...	11·631	-28·777	0·80	...
...	-50·300	-23·004	0·90	...	...	...	...	...	-31·377	-18·392	- 2	...	...	...	-11·557	+53·294	0·90	...
...	50·070	+ 8·471	0·80	...	...	*	...	...	31·335	+23·235	1·00	43· 694	10·4	...	*	11·485	+ 5·766	1·00
...	49·977	+36·884	- 2	...	...	*	...	...	31·270	-10·596	1·00	...	...	...	...	11·465	- 9·799	- 3
...	49·932	-19·761	- 4	30·678	+59·510	- 1	43· 695	10·4	11·345	+27·862	- 3
...	49·599	+26·433	- 2	*	30·324	+21·048	1·00	43· 696	10·4	11·238	+15·897	- 1
3I	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-49·404	-17·805	- 5	...	...	*	...	...	-30·276	-24·776	1·00	44· 735	10·2	*	-10·959	+25·184	1·00	43· 705
*	48·761	+50·119	1·20	43· 685	9·9	...	...	...	29·141	- 9·229	- 2	...	...	*	10·819	-40·598	1·20	44· 742
S*	48·753	-51·833	1·28	44· 730	9·6	...	...	...	28·976	+28·306	- 4	...	...	...	10·462	- 4·817	- 5	...
...	48·377	+3·942	0·70	...	...	...	...	...	28·586	+40·311	0·70	...	...	...	10·353	+46·153	0·70	...
*	48·126	- 9·326	1·10	44· 731	10·2	*	...	...	28·425	+58·630	1·25	43· 697	9·8	...	...	10·154	-45·643	- 5
...	-48·035	+16·264	- 2	...	...	...	...	...	-28·063	+11·764	- 2	...	...	...	...	9·530	- 8·599	- 2
...	47·612	+12·560	- 2	...	...	...	...	...	27·912	+54·394	- 1	...	...	...	...	9·360	- 8·743	- 1
...	47·312	-23·390	- 5	...	...	S*	...	...	27·562	+15·967	1·45	43· 698	8·4	...	...	8·321	54·337	- 3
...	45·465	+ 5·612	- 5	...	...	...	...	...	27·451	+56·346	- 5	...	...	...	...	7·685	+44·997	- 4
†	44·795	-33·877	0·65	...	...	...	...	...	27·387	- 6·980	0·65	...	...	...	...	7·447	+37·507	- 1
4I	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-44·139	-11·873	- 5	...	...	...	...	...	-27·090	-46·497	- 5	...	...	...	...	-7·421	-58·031	0·65
...	44·126	-45·777	- 5	...	...	...	...	...	27·059	-38·025	0·80	...	...	...	...	7·406	-24·387	0·65
...	43·854	+57·509	- 2	43· 686	10·2	...	...	...	24·796	+43·949	- 5	M	...	...	...	6·824	+47·539	- 1
...	43·362	-47·916	- 5	24·532	+47·345	- 5	6·582	+17·689	0·70
*	43·313	-11·578	1·00	24·204	-43·940	- 5	6·104	-48·980	- 5
...	-42·971	+45·447	0·85	*	-23·983	+20·459	1·15	43· 699	10·2	5·857	-48·854	- 2
*	42·939	+40·879	1·30	43· 688	9·4	*	...	...	23·699	-54·331	1·00	...	...	S*	5·237	+52·354	1·20	43· 706
...	42·683	-43·805	- 5	23·472	+41·070	- 5	5·110	-51·137	- 1
*	42·671	+ 7·596	1·00	43· 687	10·2	22·995	+30·745	- 3	5·039	-24·789	- 3
...	42·373	-26·657	- 3	*	22·952	+10·143	1·05	43· 700	10·4	4·655	+24·386	0·70
5I	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-42·038	-38·153	0·70	-22·534	-52·634	- 5	-4·548	-23·732	- 1
...	42·001	-42·613	- 3	*	22·470	-16·528	1·00	44· 736	10·4	4·322	54·518	- 4
...	41·964	- 2·109	0·75	22·361	-24·335	- 3	3·909	40·062	- 2
...	41·694	- 9·491	0·70	22·065	+35·980	- 4	2·483	-18·926	0·75
...	40·800	-39·474	- 5	21·806	+10·222	- 2	2·332	+42·433	- 3
*	-40·635	-23·418	1·00	-21·122	+19·003	- 5	-2·246	+ 6·534	- 4
*	40·401	- 6·465	1·00	*	20·834	-13·868	1·25	44· 737	9·1	2·015	- 2·488	- 3
...	40·261	+ 1·141	- 5	M	20·810	3·190	- 3	*	1·802	58·031	1·00
...	40·200	- 2·127	0·65	20·548	-18·352	- 3	0·983	2·304	- 4
...	39·769	- 9·511	- 4	†	19·926	-21·512	- 3	0·777	+ 1·434	0·75

S measured from 1, 121, 242.
SB " " 60, 187, 297.

75 Mass

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
181-240						241-300						301-351						
181	...	...	...	...	...	241	...	...	...	...	...	301	...	...	...	...	...
*	0·768	+23·150	1·10	43·707	10·2	...	+19·406	+10·965	0·70	...	...	...	+40·890	-36·932	-2	...	...
...	0·430	-58·850	-5	...	...	...	20·782	-56·241	1·10	44·745	10·4	...	41·280	+46·724	-2	43·717	10·4	
...	0·393	-49·119	0·80	...	...	...	22·225	-25·611	1·05	...	...	...	41·314	+25·084	0·65	...	...
...	0·361	-17·742	-5	m	...	...	22·528	-38·263	-2	...	...	...	42·234	-27·702	-3	...	...
...	0·320	-6·621	-4	m	...	...	22·718	-40·914	-5	m	...	...	42·306	+36·463	-4	...	...
†	0·007	-33·170	-5	m	...	...	+22·779	-26·944	1·00	...	...	...	S* 42·455	-1·574	3·15	44·751	7·3	
...	+0·318	-22·358	-5	m	...	...	22·867	-13·006	0·80	...	...	...	* 43·079	+27·763	1·00	43·718	10·4	
...	0·480	+15·589	-4	M	...	...	23·136	-13·925	0·90	...	...	...	44·792	-51·529	-5	m	...	
...	0·705	+35·968	-4	...	...	...	24·589	-34·715	1·70	44·746	8·6	...	* 45·193	-56·772	1·30	44·752	9·8	
...	0·820	+42·685	1·10	43·708	10·1	...	24·771	+7·499	1·10	43·713	10·2	...	...	45·299	+27·850	-4	...	...
191	...	...	...	M	...	251	...	...	...	...	...	311	...	...	...	...	...	...
...	+1·135	+10·225	-4	M	...	...	+25·725	+51·711	0·65	...	...	...	...	+45·306	-20·528	-5	m	...
...	1·234	+9·938	-1	...	...	...	26·462	+40·583	0·80	...	...	...	...	45·871	+39·840	0·85	...	...
...	1·672	-11·975	-5	m	...	...	26·518	+13·003	1·15	43·714	10·4	...	...	* 46·158	-0·649	1·05	44·753	10·4
...	1·854	+53·079	-5	...	...	...	27·570	-38·031	-3	a	...	...	...	46·631	-23·516	0·80	...	...
...	* 2·311	-36·171	1·00	...	...	...	S* 28·986	-47·635	1·28	44·747	9·2	...	...	46·709	+22·856	-3	...	...
...	† 2·591	+49·975	1·20	43·709	10·2	...	...	+29·156	+55·341	-1	...	...	...	* 47·764	+24·355	1·20	43·719	9·6
...	4·375	+46·993	-2	...	...	...	...	30·531	-21·606	-5	m	...	...	47·867	-24·691	-5	...	...
...	4·520	-56·914	-1	...	...	...	...	30·558	-27·262	-4	m	...	...	* 48·085	-3·462	1·00	...	...
...	4·864	-11·909	-2	...	...	...	S* 30·639	-19·455	1·90	44·748	8·4	...	...	48·092	+31·761	-4	...	...
...	† 4·867	+59·661	-5	...	...	...	...	30·810	+44·160	-5	...	...	...	48·157	-23·947	-3	...	...
201	...	...	...	m	...	261	...	...	...	...	...	321	...	...	...	...	...	...
...	+4·887	-32·490	-5	m	...	...	+32·294	-44·504	0·80	...	...	...	...	+48·344	+10·006	-5	...	...
S†	4·919	+25·392	2·00	43·710	8·3	...	32·352	-4·257	-5	m	...	...	...	48·711	+13·629	0·80	...	...
...	6·244	+53·450	0·90	...	...	...	† 32·450	+15·099	0·65	...	...	...	...	48·768	-18·235	0·90	...	...
...	* 7·812	+20·652	1·05	43·711	10·4	...	...	32·738	-9·570	0·70	...	...	...	49·236	-19·551	0·70	...	...
...	7·923	-33·328	-5	m	...	...	...	32·848	+20·296	-5	...	...	...	* 49·465	+39·695	1·15	43·720	10·2
...	+9·832	-34·615	-1	...	...	...	...	+33·056	-43·612	-5	m	...	...	49·635	-29·870	-5	e	...
...	10·375	-8·534	-5	m	...	...	...	33·415	-50·896	-5	m	...	...	† 49·790	-11·446	0·65	...	...
...	10·898	+32·504	-5	...	...	...	...	33·943	+46·541	-5	...	...	...	50·991	-51·708	-2	...	...
...	11·005	+37·839	-3	...	...	...	...	34·135	-0·312	-2	a	...	...	51·680	+18·667	-5	...	...
...	† 11·152	-19·891	-4	...	...	...	...	34·152	-41·208	-5	m	...	...	S* 52·383	+22·968	1·20	43·722	9·2
211	...	...	...	...	...	271	...	...	...	...	...	331	...	...	...	...	...	...
...	+11·566	+24·742	-2	...	...	...	+34·369	-17·907	0·75	...	...	...	...	+52·547	+53·246	0·70	43·721	10·4
...	11·841	+29·332	-5	...	...	...	34·415	+28·895	-5	...	...	...	...	52·768	-27·967	-4	e	...
...	11·903	+58·012	0·95	...	...	...	34·428	-37·871	-1	...	...	...	...	52·882	-13·861	0·70	...	...
...	11·933	-29·904	-5	m	...	...	34·662	+5·909	-4	...	...	...	...	* 53·111	+1·410	1·00	43·723	10·4
...	12·179	+7·418	0·70	...	...	...	34·734	+2·993	-5	...	...	...	...	53·121	+32·394	0·90	...	...
...	+12·417	-31·474	0·85	...	...	...	+34·753	-54·396	-4	m	...	...	...	53·222	+26·394	-2	...	...
...	12·563	+18·090	0·65	...	...	...	34·794	+20·428	-4	...	...	...	...	53·257	-1·060	0·65	...	...
...	13·328	-10·906	-5	...	...	...	† 34·883	+36·351	1·10	43·715	10·4	...	...	* 53·502	-32·651	1·10	44·754	10·0
...	13·523	+10·142	-2	...	...	...	34·970	+14·816	-5	...	...	...	...	53·632	-17·883	-3	...	...
...	* 13·951	-41·187	1·40	44·744	9·0	...	35·721	+21·881	0·80	...	...	...	...	* 54·373	+4·838	1·05	43·724	10·4
221	...	...	...	m	...	281	...	...	...	...	...	341	...	...	...	...	...	...
...	+14·367	-58·582	-5	m	...	...	* 35·824	-22·939	1·05	44·749	10·2	...	...	† 54·841	+9·860	0·65	...	...
...	14·444	+7·035	0·65	...	...	...	36·058	+46·351	0·90	...	...	...	...	55·191	+0·307	0·95	...	...
...	14·783	-54·955	-4	...	...	...	37·154	-29·639	-5	m	...	...	...	* 55·555	+21·969	1·15	43·725	10·4
...	14·892	-22·795	-2	...	...	...	* 37·676	+32·307	1·10	43·716	10·4	...	...	56·325	-55·331	-2	...	...
...	15·133	+49·799	-4	...	...	...	37·887	-18·423	-4	m	...	...	...	56·723	+8·071	-3	...	...
...	+15·462	+31·145	-5	...	...	...	+37·916	-1·656	-5	m	...	...	...	* 57·413	-17·773	1·00	44·755	10·4
...	15·548	+36·650	-1	...	...	...	38·030	-40·416	0·90	...	...	...	...	57·633	+43·980	-5	...	...
...	16·017	-38·792	-5	m	...	...	38·044	-9·717	-2	...	...	...	...	57·900	+27·390	-4	...	...
...	16·778	+0·667	-3	...	...	...	38·234	+57·069	-1	...	...	...	...	* 58·500	-31·345	1·10	44·756	10·4
...	17·178	-29·005	-1	...	...	...	* 38·294	-18·023	1·10	44·750	10·4	...	...	58·828	+15·703	-2	...	...
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...	...
...	* 17·499	+32·292	1·10	43·712	10·4	...	+39·104	+3·120	-5	...	...	...	...	+59·669	-51·028	-4	e	...
...	17·706	+47·659	-5	...	...	...	39·446	-0·115	-5	m	...	...	...	...	...	...	...	...
...	17·956	+45·797	-5	...	...	...	39·664	-12·001	-5	m	...	...	...	...	...	...	...	...
...	18·044	-37·849	-5	m	...	...	39·678	-14·711	0·80	...	...	...	...	...	...	...	...	...
...	18·120	+25·163	-3	...	...	...	39·747	+0·640	0·65	...	...	...	...	...	...	...	...	...
...	+18·227	-56·663	-5	m	...	...	+39·812	-55·070	0·90	...	...	...	...	...	...	...	...	...
...	18·640	+25·622	-3	...	...	...	40·228	+20·593	-5	...	...	...	...	...	...	...	...	...
...	19·168	+3·249	-2	...	...	...	40·534	-20·690	-5	m	...	...	...	...	...	...	...	...
...	19·352	+33·621	-1	...	...	...	40·556	-42·543	0·80	...	...	...	...	...	...	...	...	...
...	19·367	+13·322	-4	...	...	...	40·864	-3·774	-4	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
1-60						61-120						121-180								
1	-59.667	+39.530	1.20	43. 720	10.2	61	-42.881	+50.899	- 5	...	...	121	-24.630	-43.692	- 5	...	M		
†	59.625	+13.462	- 3	...	...	...	42.833	+52.519	- 3	...	...	...	24.406	-14.226	- 2	...	...	
...	59.025	-24.119	- 4	...	...	...	42.746	+28.437	- 2	...	...	...	24.311	-52.139	- 2	...	...	
...	58.594	-18.389	0.75	...	...	...	42.526	-33.440	0.90	...	...	...	24.124	-21.728	1.05	43. 739	10.4		
...	58.366	-56.926	- 5	M	...	...	42.086	+32.266	1.15	43. 728	10.4	...	24.025	-11.565	- 3	...	...	
...	-58.094	-19.689	0.65	...	...	...	-41.513	- 5.673	- 3	...	...	...	S*	-23.554	-54.064	1.90	44 766	9.0	
...	57.915	+27.568	- 5	...	...	...	41.214	+22.855	- 3	...	...	...	...	23.339	- 26.217	- 3	...	...
...	57.770	-11.579	- 2	...	...	...	40.930	- 1.010	- 1	...	...	...	...	22.902	- 3.298	- 3	...	...
†	57.373	-29.974	- 5	E	...	...	40.687	-35.133	- 5	M	...	...	...	* 21.898	- 36.185	1.30	43 740	10.0	
...	56.993	+53.167	0.70	43. 721	10.4	...	40.494	-18.885	- 5	M	...	...	...	* 21.853	-37.097	1.25	44. 767	10.0	
11	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-56.826	+18.597	- 5	...	...	...	-40.436	+39.571	- 1	...	...	...	* 21.802	+55.868	1.20	43 741	10.0		
S*	56.240	+22.905	1.58	43. 722	9.2	...	40.295	+27.964	- 3	...	...	...	...	21.558	+50.039	- 3	...	...
...	55.795	+32.349	1.00	...	...	...	39.974	+54.593	1.35	43. 729	10.0	...	...	21.487	-34.156	- 3	B	...	
...	55.498	+26.353	- 3	...	...	...	39.791	-15.275	- 5	M	...	...	...	21.115	-42.787	- 4	M	...	
...	55.364	-51.791	- 3	...	...	...	39.467	- 9.422	- 5	M	...	...	S*	21.094	-18.615	2.70	44. 768	8.0	
...	-54.853	+ 1.377	0.90	43. 723	10.4	...	-39.411	-11.769	1.00	...	...	...	...	-20.657	+32.017	- 5	...	...
†	54.628	- 1.087	- 2	...	...	...	39.075	-34.211	- 3	A	...	...	...	20.579	-22.099	- 5	M	...	
†	54.605	-13.894	- 1	...	...	...	39.059	+28.747	1.20	43. 730	10.4	S*	20.435	- 5.653	2.90	43 742	7.6		
...	54.298	-27.992	- 4	E	...	...	38.316	+11.775	1.00	43. 731	10.4	...	...	20.343	+35.650	1.20	43 743	10.1	
...	53.748	-17.891	- 3	...	...	...	37.937	+59.493	0.90	43. 733	10.4	...	...	19.996	25.743	- 2	...	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-53.709	+ 4.837	1.10	43. 724	10.4	...	-37.877	-55.445	1.00	44. 761	10.4	...	...	...	-19.819	-54.314	- 3	...	...
...	53.424	-32.651	1.20	44. 754	10.0	...	37.767	+ 2.417	1.15	43. 732	10.4	...	...	...	19.715	-42.614	0.70	...	...
...	53.391	+ 9.871	0.70	...	...	...	37.272	+25.163	- 4	...	...	...	...	...	18.934	- 10.249	- 4	...	...
...	53.013	+22.003	1.15	43. 725	10.4	...	36.966	+46.504	- 4	...	...	...	...	...	18.708	-36.487	- 5	M	...
...	52.733	+ 0.338	1.00	...	...	...	36.343	-38.894	- 4	M	...	...	...	...	18.356	-17.662	- 5	...	...
...	-51.859	+56.874	- 5	...	...	...	-36.274	-22.089	- 5	M	...	...	...	...	-17.920	-40.637	- 5	...	...
...	51.624	+44.059	- 5	...	...	...	36.001	-57.524	- 3	...	...	...	...	...	+ 17.817	-34.910	1.00	44. 769	10.4
...	51.456	+ 8.138	- 2	...	...	...	35.767	-41.340	- 5	M	...	...	...	...	16.977	-12.263	0.65	...	...
...	50.842	+27.485	- 4	...	...	...	35.759	+13.516	- 4	...	...	...	...	...	16.163	-34.072	- 5	...	...
...	50.141	+20.750	- 4	...	...	...	35.685	+20.488	2.00	43. 734	9.0	...	...	...	15.497	- 1.007	- 3	...	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-49.954	-17.663	1.00	44. 755	10.4	...	-35.104	+10.244	0.80	...	...	...	...	...	-15.470	- 23.625	0.90	...	...
...	49.929	-55.247	- 1	...	...	...	35.009	-23.180	0.85	...	...	...	...	...	15.142	- 28.096	- 5	...	...
...	49.716	-29.135	- 5	M	...	...	34.997	+38.095	- 5	...	...	...	...	...	15.093	- 9.165	0.70	...	...
...	49.574	+15.834	- 1	...	...	...	34.790	-19.232	- 5	M	...	...	...	...	14.897	-17.524	- 3	...	...
...	48.478	-31.207	1.10	44. 756	10.4	...	34.509	+23.401	- 3	...	...	...	...	...	14.512	-47.270	0.90	...	...
...	-47.935	+17.416	1.05	43. 726	10.4	...	* 34.113	+34.095	1.15	43. 735	10.4	...	...	...	13.774	- 4.433	0.70	...	...
...	47.604	- 0.609	- 4	...	...	...	33.999	- 8.265	- 5	M	...	...	...	...	12.446	- 37.279	0.70	...	...
...	47.579	+28.487	0.70	...	...	...	33.345	- 6.990	0.80	...	...	...	...	...	11.872	+ 20.307	- 2	...	...
...	47.489	-16.147	0.65	...	...	...	33.289	-38.505	- 5	M	...	...	...	...	* 11.830	-19.165	1.20	44. 770	10.4
...	47.284	- 4.581	1.50	44. 757	9.4	...	32.805	+10.544	- 3	...	...	...	...	...	11.503	-56.927	5	M	...
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-46.796	- 2.821	3.80	44. 758	7.4	...	-31.975	-30.971	0.80	...	...	...	...	...	-11.351	-50.001	0.70	...	...
...	46.703	-50.846	- 3	E	...	...	31.974	+56.605	- 3	...	...	...	...	...	10.936	-43.132	- 5	M	...
...	46.396	+47.639	- 5	...	...	...	31.912	+ 4.310	- 5	...	...	...	...	...	10.858	-17.934	- 5	M	...
...	46.023	- 4.528	- 4	M	...	...	* 31.736	-17.854	1.10	44. 762	10.2	...	...	...	10.694	-21.378	- 3	...	...
...	45.668	+ 2.983	0.85	...	...	...	31.575	+43.275	1.25	43. 737	10.0	...	...	...	10.428	-47.300	- 4	M	...
...	-45.665	+14.572	- 5	...	...	...	* 31.484	+ 7.450	1.40	43. 736	9.2	...	...	...	9.856	-51.234	- 3	...	...
...	45.047	- 6.542	1.00	44. 759	10.4	...	...	31.421	+54.357	- 4	...	...	...	...	* 9.446	- 11.854	1.15	43 744	10.2
...	44.897	+ 3.487	0.75	...	...	...	...	31.277	+34.348	- 2	...	...	...	...	8.949	-22.700	- 3	...	...
...	44.605	+ 9.617	0.90	...	...	...	...	31.157	+ 4.476	- 5	...	...	...	...	8.938	- 9.931	- 3	...	...
S*	44.046	+52.436	2.05	43. 727	9.1	...	* 31.047	- 1.676	1.00	44. 763	10.4	...	...	...	8.755	-42.728	0.80	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-43.908	+ 3.733	- 5	-30.356	-16.811	2.30	44. 764	8.5	- 8.730	- 3.881	- 2
...	43.875	+ 1.910	0.70	29.878	+ 26.837	- 5	8.581	- 55.017	- 5
...	43.872	+43.291	- 3	* 28.846	- 0.634	3.00	44. 765	7.4	8.541	- 35.047	- 1
...	43.728	+25.767	- 5	28.828	+14.014	- 3	8.298	- 32.873	1.00
...	43.449	-56.325	1.20	44. 760	10.4	26.496	-47.602	- 5	M	* 8.120	- 20.128	1.00
...	-43.449	-45.139	0.90	...	...	...	...	* 26.390	+26.880	1.05	43. 738	10.4	...	...	...	...	...	...	...
...	43.145	-25.114	- 3	...	...	...	...	26.296	+41.922	- 5	...	...	...	...	...	...	...	...	...
...	43.051	+21.920	- 4	...	...	...	...	25.693	-16.771	- 4	...	...	...	...	...	...	...	...	...
...	42.983	-32.697	- 5	M	...	...	...	† 24.850	+ 20.556	0.80	...	...	...	...	...	...	...	...	...
†	42.978	+10.023	0.65	...	...	...	...	† 24.836	+ 32.378	- 4	...	...	...	...	...	...	...	...	...

B measured from 1, 113, 213, 319
 S 49, 155, 203, 371

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.							
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.						
181-240						241-300						301-360											
181	- 7.685	- 0.987	2.00	44. 772	8.8	241	+ 10.341	- 5.740	- 5	...	...	301	+ 26.534	+ 25.437	- 5	o	m				
...	7.489	+ 11.131	0.70	...	...	...	10.948	- 43.721	1.20	44. 777	10.0	...	26.709	+ 39.461	- 3	a	...			
...	7.418	+ 13.704	- 5	...	...	...	11.053	- 6.982	- 5	...	...	...	27.066	- 46.964	0.70	...	...				
...	7.269	- 9.166	- 5	M	...	...	11.106	- 34.618	- 5	...	...	...	27.245	- 37.827	0.70	...	...				
...	7.180	- 21.319	- 5	M	...	...	11.120	- 3.074	- 3	...	...	...	* 27.310	+ 3.204	1.30	43. 756	10.0		
...	- 6.899	+ 53.390	- 4	...	...	...	+ 11.303	- 42.356	- 5	...	...	...	...	+ 27.446	+ 32.718	- 4	m	...	
...	6.745	+ 42.915	- 5	...	...	...	11.701	- 23.599	- 3	...	...	...	...	27.690	+ 13.775	- 4	m	...	
...	6.366	+ 10.458	- 3	...	...	...	12.088	+ 42.887	- 4	m	...	...	...	28.023	- 24.210	- 2	...	...			
...	6.094	+ 0.410	- 5	β	...	...	12.566	+ 31.790	- 5	m	...	...	...	* 28.161	- 59.146	1.30	44. 786	10.4	
...	5.976	- 51.157	- 3	...	...	...	† 12.668	- 9.845	- 3	...	...	...	...	* 28.529	- 22.936	1.00	...	...			
191	- 5.350	+ 6.912	- 4	m	...	251	+ 12.718	- 51.525	- 3	...	...	311	+ 28.639	- 4.307	1.00	...	...				
...	5.281	+ 37.915	0.75	...	...	...	13.240	- 17.273	- 3	...	...	...	* 28.668	+ 27.039	1.20	43. 757	10.0		
...	4.987	+ 19.475	- 1	m	...	...	13.517	+ 46.053	- 5	m	...	...	...	28.709	+ 13.412	- 3	a	...	
...	4.056	+ 52.599	- 5	m	...	...	13.520	- 46.872	0.65	...	...	...	...	28.998	- 32.199	- 4	...	...			
...	* 3.735	+ 30.110	1.10	43. 746	10.4	...	* 14.394	- 55.915	1.60	44. 779	9.4	...	...	29.102	+ 22.065	- 3	a	...			
...	- 3.570	- 4.442	- 3	m	...	...	* 14.481	- 7.468	1.90	44. 778	9.0	...	...	...	+ 29.228	+ 47.608	- 5	m	...
...	3.567	- 10.523	- 4	M m	...	...	...	14.587	+ 47.824	- 5	m	...	...	...	29.300	- 21.965	- 4	...	...		
...	3.385	+ 35.344	0.80	...	...	...	...	* 14.663	- 25.528	1.00	...	...	...	* 29.383	- 5.072	1.60	44. 787	9.2	
...	3.321	- 14.779	- 4	M m	...	...	...	* 14.752	+ 7.906	1.50	43. 752	9.4	...	...	* 30.525	+ 23.825	1.10	43. 758	10.4
...	* 3.187	- 5.661	1.20	44. 773	10.4	...	...	14.953	- 33.905	0.85	...	...	...	...	30.681	+ 28.178	- 2	...	...		
201	- 2.998	+ 18.647	- 5	m	...	261	* 15.038	- 56.329	1.20	44. 780	10.4	321	* 30.892	+ 4.368	3.00	43. 759	7.4						
...	2.708	+ 7.833	- 5	m	...	...	...	15.069	- 47.861	- 4	...	...	...	...	31.263	- 32.429	- 3	...	...		
...	1.663	+ 6.734	- 3	m	...	...	...	15.301	- 21.321	- 2	...	...	...	...	31.366	+ 12.085	- 5	m	...
...	1.646	- 31.071	0.90	...	...	...	...	† 15.567	+ 39.930	0.80	...	...	...	...	31.561	- 49.430	- 5	m	...
...	1.041	+ 7.577	- 2	m	...	...	...	16.456	+ 20.753	- 5	m	...	...	...	† 32.540	- 9.913	- 4	...	...		
...	- 0.989	- 7.673	- 4	M m	...	...	...	* 16.614	- 29.257	1.10	44. 781	10.4	...	...	+ 32.570	+ 58.732	0.75	...	...		
...	0.908	+ 18.566	- 5	m	* 16.776	- 30.519	1.10	44. 782	10.4	33.354	- 16.538	- 1			
...	0.599	- 22.567	- 3	* 17.031	- 54.212	1.10	33.533	- 50.172	0.80			
...	0.563	+ 17.936	- 3	m	17.092	+ 58.064	- 5	m	33.901	- 56.358	- 5			
...	- 0.476	+ 48.903	0.90	...	...	...	...	17.137	+ 0.484	- 1	a	...	...	...	34.436	+ 11.274	- 5	m	...
211	† 0.080	+ 35.753	0.70	...	...	271	...	+ 17.332	+ 49.242	- 5	m	...	331	...	+ 34.804	+ 19.911	- 4	m	...		
...	† 0.102	+ 18.223	- 3	m	...	...	...	17.598	- 47.781	- 5	...	...	...	† 35.057	- 27.900	- 3	...	...			
...	S † 0.103	+ 58.599	1.20	43. 747	10.1	...	...	17.756	- 15.296	- 4	...	...	...	...	35.265	+ 11.091	- 4	m	...
...	1.248	- 3.056	- 5	M m	...	...	...	* 17.869	+ 38.225	1.20	43. 753	10.4	...	...	35.729	+ 30.184	- 5	m	...
...	1.347	- 4.506	- 5	M m	* 17.931	- 44.912	1.40	44. 783	9.6	35.938	- 33.255	- 5			
...	* 2.845	+ 53.874	1.15	43. 748	10.4	...	...	...	+ 18.028	- 30.176	- 3	...	...	...	+ 35.971	- 1.739	- 2	...	...		
...	* 3.396	- 59.373	1.60	44. 774	9.4	...	...	...	18.085	+ 15.605	- 2	a	...	...	36.245	+ 48.153	- 3	...	...		
...	S * 4.041	- 51.970	2.00	44. 775	8.8	...	...	...	18.855	- 38.413	- 3	...	...	...	a † 36.748	+ 0.141	1.15	43. 760	10.0
...	4.204	+ 17.010	- 5	m	18.936	- 2.644	- 5	37.211	- 1.985	- 4			
...	4.513	- 6.015	- 3	19.205	- 43.725	- 5	37.344	+ 31.571	- 4			
221	...	...	...	...	...	281	...	† 20.023	+ 22.211	0.90	43. 754	10.4	341	...	+ 37.583	- 39.089	- 2	...	...		
...	* 4.779	- 35.922	- 3	...	...	...	...	...	20.165	+ 35.423	- 4	m	...	...	† 37.880	+ 44.954	- 5	m	...
...	4.829	+ 2.789	1.20	43. 749	10.4	...	...	...	20.601	- 37.378	- 2	...	...	...	38.270	+ 41.597	- 4	...	...		
...	4.806	- 11.377	- 3	M	...	...	...	...	* 20.956	+ 23.933	1.15	...	...	...	38.361	+ 43.003	- 4	m	...
...	5.662	- 17.701	- 5	M m	* 21.147	- 54.471	2.00	44. 784	8.8	38.590	- 36.984	0.65			
...	5.726	- 23.259	- 4	M	* 21.292	+ 54.772	1.25	43. 755	10.1	* 38.841	+ 56.560	1.50	43. 761	10.0			
...	+ 5.879	- 15.527	0.70	21.510	- 32.617	- 2	38.962	- 14.470	- 3			
...	6.324	+ 8.199	- 5	m	21.604	+ 2.601	- 4	m	39.495	- 50.792	- 5			
...	6.645	+ 0.521	0.70	a	22.198	+ 40.722	- 1	39.576	+ 1.812	- 5	m	...			
...	6.825	- 27.297	- 3	22.805	- 39.145	- 5	39.664	- 28.183	- 2			
...	6.889	+ 22.577	0.70	...	...	291	...	+ 22.853	- 32.889	- 5	...	...	351	...	+ 39.745	+ 0.277	0.70	a	...
...	23.248	- 39.026	- 5	39.798	+ 37.150	- 5	m	...			
...	23.250	+ 52.315	- 5	m	40.095	+ 28.298	0.65		
...	23.328	+ 36.613	0.70	40.364	- 41.301	- 5	
...	* 23.980	- 43.748	1.30	44. 785	10.4	40.671	+ 7.006	- 4	m	...	
...	+ 24.278	+ 28.580	0.70	+ 40.698	+ 43.641	- 3	
...	25.181	+ 10.604	0.80	* 40.895	- 46.737	1.05	44. 788	10.4	
...	25.435	- 28.575	- 4	41.288	+ 19.631	- 5	m	...
...	25.527	+ 28.296	- 3	a	41.431	- 23.459	- 4
...	† 26.533	- 20.055	- 4	41.641	- 30.277	- 5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-380						381-400						401-405					
361	+42.176	+33.167	0.70	...	...	381	+49.959	-29.640	3	...	...	401	+57.076	+31.510	5	m	...
...	42.403	-16.037	-3	...	...	...	50.263	-58.570	0.80	...	...	...	57.576	+42.013	-5	e	...
*	42.438	-37.672	1.00	...	...	*	51.774	-27.805	1.20	44. 792	10.0	...	57.673	+57.736	0.65	...	...
...	42.943	+14.143	-5	m	...	S*	51.877	-43.263	3.43	44. 793	7.4	...	59.637	+45.889	1.25	43. 762	10.1
*	43.113	-7.701	1.20	44. 789	10.0	...	52.715	-53.123	-5	...	...	...	59.793	-23.739	-5	...	...
...	+43.389	+10.835	-5	m	...	...	+53.091	+42.773	-1	...	...	...		
...	43.559	-16.321	-3	...	...	...	53.168	-50.991	-2	...	...	...		
*	44.246	-36.953	1.50	44. 790	9.8	S*	53.529	-28.190	2.63	44. 794	8.2	...					
...	44.278	+24.873	-1	...	...	...	53.773	-34.364	-3	...	...	...		
†	44.941	+58.230	0.70	...	...	...	54.657	+56.240	-4	...	...	...		
371	+45.054	+25.351	-5	m	...	391	+54.669	+8.432	-4	e	...	...			
†	45.214	+20.361	0.80	...	...	...	54.862	-27.345	-3	...	...	...		
...	45.412	-36.032	1.20	44. 791	10.0	...	55.329	+24.461	-4	e	...	...			
*	45.836	+49.568	-3	...	...	...	55.804	+5.936	0.75	...	...	...		
...	46.448	-26.453	-5	m	...	...	55.898	+16.538	-5	m	...	...			
*	+46.669	-20.922	1.00	...	...	...	+56.133	+37.054	-5	m	...	...			
...	47.854	+20.320	-3	a	...	...	56.304	-31.450	-4	...	...	...		
*	49.316	-18.192	1.00	...	...	...	56.320	-59.522	-3	...	...	...		
...	49.739	-3.194	-2	...	...	*	56.570	-49.930	1.10	44. 795	10.4	...					
†	49.889	+38.690	0.90	...	...	...	56.980	+23.972	-5	m	...	...			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-30						31-60						61-90					
I.	-59.225	+38.551	0.80	...	...	31	-45.832	+14.972	-4	M	...	61	-38.395	+4.377	0.70	...	...
...	58.111	-3.332	-3	...	...	...	45.763	+11.908	0.70	...	...	...	37.873	+5.329	-4	M	...
...	58.070	-18.318	0.80	...	...	...	45.730	-24.472	-4	...	...	*	37.860	+39.319	1.00	...	...
...	57.490	-38.496	-5	M	...	S*	45.593	+12.015	3.00	43. 763	7.2	...	37.813	-16.168	-2	...	...
...	57.080	-29.752	-4	...	...	...	45.336	+12.611	-5	M	...	*	37.793	+5.692	1.00	...	...
...	-56.159	+42.720	-3	...	...	...	-45.119	-11.917	-4	...	...	...	-37.322	+14.655	0.75	...	...
...	55.903	-58.678	-2	...	...	...	43.972	+30.678	-1	...	...	...	37.141	-33.823	-3	...	...
†	55.298	-27.863	1.25	44. 792	10.0	...	43.169	+44.169	-5	M	...	...	37.094	+21.063	-2	A	...
...	54.973	+56.220	-4	...	...	...	43.080	+38.374	0.65	...	...	*	36.487	+6.572	1.00	...	...
S†	54.721	-43.311	3.93	44. 793	7.4	...	42.814	+50.671	-1	...	...	*	35.385	-34.468	1.05	...	...
II						41	-42.736	+0.476	0.90	...	...	71	-35.272	+15.587	1.05	43. 766	10.4
S*	-53.530	-28.193	2.40	44. 794	8.2	...	42.524	-7.279	-3	...	...	...	34.754	+31.923	-1	...	...
...	53.525	+8.457	-3	E	...	...	42.207	-16.266	-3	...	...	...	34.648	-45.232	-3	...	...
...	53.352	+24.496	-4	E	...	...	41.927	+3.559	-3	M	...	...	34.466	+43.765	-4	M	...
...	53.225	-50.997	-2	...	...	...	41.863	-25.785	-1	...	...	...	34.323	-51.104	-5	...	...
...	53.134	-34.354	-4	...	...	...	-41.805	+14.442	-5	M	...	...	-34.287	-13.149	-4	...	...
...	-52.318	+5.981	0.65	...	...	*	41.461	+39.011	1.20	43. 764	9.8	...	33.900	-48.161	1.05	44. 798	10.4
...	52.021	+57.807	-2	...	...	...	41.137	-19.757	-3	...	...	...	33.516	-25.614	-4	...	...
...	51.634	+42.107	-5	E	...	...	40.838	+20.526	0.90	...	...	...	31.934	+23.156	0.90	...	...
...	51.161	-55.396	-5	...	...	...	40.545	+12.042	0.75	...	...	...	31.917	+11.867	-3	M	...
...	50.664	-31.364	-3	...	...	51	-40.382	-32.095	-3	...	...	81	-31.818	-39.021	1.00	43. 767	10.4
21	-49.840	-49.819	1.00	44. 795	10.4	...	40.298	+9.662	-3	M	...	*	31.459	-24.620	1.15	44. 799	10.1
...	49.799	-59.415	-4	...	...	...	40.280	+22.751	-5	M	...	*	31.183	-20.601	1.00	...	...
*	49.711	+46.036	1.20	43. 762	10.1	...	40.032	-21.037	1.20	44. 797	9.6	...	31.016	-27.970	0.90	...	...
†	48.056	+39.871	-5	...	...	*	39.912	+44.327	0.90	43. 765	10.4	...	30.862	-57.438	0.90	...	...
*	47.535	+3.620	1.00	...	...	...	-39.898	-54.284	-5	...	...	*	-30.778	-27.436	1.00	...	...
...	-47.214	+40.980	-3	...	...	...	39.360	-37.833	1.00	...	...	...	30.230	-44.506	-3	...	...
*	46.847	-20.657	4.10	44. 796	6.8	...	39.309	-50.833	-5	...	...	...	30.170	+10.534	-3	M	...
...	46.744	+24.182	-4	M	...	...	38.662	+8.235	-5	M	...	...	29.479	+52.934	0.80	...	...
...	46.502	+36.318	-4	...	...	...	38.554	-32.715	-3	...	...	...	29.450	-30.792	-4	...	...
...	46.167	+8.484	-5	M	...	...					...	...

S measured from 1, 23, 57, 89, 127, 162, 199, 236, 286, 333, 370, 408
 SB " " 11, 37, 72, 108, 141, 179, 214, 265, 302, 348, 392, 427

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
91-150						151-210						211-270						
91	-29°383	-11°118	-3	...	...	151	-13°320	-11°975	-5	...	...	211	+4°577	-48°783	-3	...	...
...	29°290	-2°031	-4	...	...	...	13°249	+24°677	-2	A	...	...	*	4°680	-48°526	1·15	44. 812	10·0
...	28°540	+57°277	0·80	...	...	...	13°126	-3°619	0·75	...	...	...	...	4°877	+56°299	0·65	...	...
...	28°382	-37°078	0·80	...	...	...	12°815	+38°055	-3	M	...	...	...	5°275	-49°573	-3	...	...
...	28°085	-7°970	-4	...	...	...	12°115	-32°436	1·00	...	...	...	...	5°412	-22°535	-5	...	...
...	-28°075	+16°708	-4	M	...	...	* -11°893	+21°207	1·30	43. 774	9·5	*	+5°507	+12°005	1·00	...	...
...	27°512	-20°949	-4	...	...	...	11°443	+28°594	-5	M	...	...	*	5°522	-53°912	1·45	44. 813	9·4
*	27°487	-54°393	1·20	44. 800	10·0	...	11°154	-9°626	-5	M	...	...	...	5°728	+35°978	-4	...	...
...	26°873	+42°210	0·65	...	...	...	10°664	+29°020	-3	M	...	...	...	5°732	+11°186	-5	M	...
...	26°709	+50°990	-5	M	...	...	10°398	+49°773	-1	...	...	...	...	6°190	-20°953	0·85	...	...
101	-26°571	+4°086	0·80	...	...	161	-10°249	-31°324	0·75	...	...	221	+6°869	+23°548	-5	...	...
*	26°324	-18°586	1·45	44. 801	9·2	...	9°366	+40°225	-4	M	...	...	...	6°920	+36°948	0·80	...	...
...	25°854	-23°680	-4	...	...	...	9°170	-31°276	1·00	...	...	...	...	7°720	-10°856	-4	...	...
*	25°771	-30°923	1·10	44. 802	10·4	...	8°825	+30°552	0·85	...	...	...	...	7°896	+48°949	-4	...	...
...	25°723	-26°642	-5	...	...	...	8°781	-26°752	1·00	...	...	...	...	8°343	-28°963	-4	...	...
...	-25°702	-7°169	0·65	...	...	...	-8°267	+58°390	-2	...	...	...	+	8°361	+48°436	-5	...	...
...	25°000	-39°334	-1	...	...	...	8°171	-4°250	0·70	...	...	...	*	8°813	-10°780	1·40	44. 814	9·2
*	24°773	+50°735	1·00	43. 768	10·4	...	8°154	-11°096	-3	...	...	...	...	8°822	+8°442	-4	...	...
...	24°601	-36°355	-5	...	...	...	7°983	-3°913	1·10	44. 808	10·4	...	...	9°024	-33°756	-5	m	...
...	24°341	-48°822	-4	...	...	...	7°692	+4°455	1·20	43. 775	10·0	S*	9°517	-42°713	1·65	44. 815	8·6	
111	-24°288	-54°636	0·90	...	...	171	-6°780	-29°484	-3	...	...	231	+9°520	-46°086	-2	...	...
*	24°095	+35°572	1·10	43. 769	10·1	*	6°749	+49°411	1·10	43. 776	10·4	...	...	9°553	-43°348	-5	...	...
...	23°060	+26°509	-3	M	...	...	6°685	-18°915	-4	...	...	...	...	9°586	-33°639	-2	...	...
...	22°504	-56°889	-4	...	...	...	6°529	+58°777	-3	M	...	...	...	9°772	-19°387	-3	...	...
...	22°396	-55°340	-3	...	...	...	6°365	-5°737	-5	M	...	...	*	9°810	-36°124	1·20	44. 816	9·6
...	-21°550	+30°325	-5	M	...	...	-5°924	+48°903	-5	M	...	...	+	10°199	-35°964	0·65	...	...
*	21°533	+26°504	1·00	...	...	...	5°686	+42°291	-3	M	...	...	...	10°431	+19°415	-1	...	...
...	21°410	-44°343	-3	...	...	...	5°669	+20°782	-5	M	...	...	...	10°659	+23°530	-5	...	...
*	21°401	+35°360	1·10	43. 770	10·1	...	4°734	-30°356	-4	m	...	...	...	10°698	+14°623	-3	...	...
...	21°303	-16°748	0·90	...	...	...	4°529	+48°856	-4	M	...	...	...	10°782	+22°170	-4	...	...
121	-21°287	-31°792	-5	...	...	181	-4°218	+3°553	0·90	...	...	241	+11°052	-58°025	-5	...	...
...	21°040	+29°710	-4	M	...	...	3°997	-23°299	-4	m	...	...	...	11°140	+53°327	-5	...	...
...	20°709	-32°939	-3	...	...	S*	3°503	+24°134	2·15	43. 777	8·4	...	...	11°173	+14°602	0·70	...	...
...	20°512	+58°993	-1	43. 771	10·4	...	3°170	-49°130	-4	M	...	*	...	11°373	+53°534	1·30	43. 783	9·6
...	20°213	+22°083	0·70	...	...	...	2°834	-48°035	1·30	44. 809	9·8	...	...	11°529	+46°212	-5	...	...
...	-19°980	+26°521	-4	M	...	...	-2°506	-28°039	-2	...	...	...	+	11°599	+1°745	-5	...	...
...	19°718	+27°204	-4	M	...	...	2°303	-30°440	-4	m	...	...	...	11°739	-56°953	-4	...	...
S*	19°588	-51°091	2·80	44. 803	8·0	*	1°896	+37°894	1·30	43. 778	9·4	...	...	11°745	-58°759	-1	...	...
...	18°995	-32°659	-5	...	...	...	1°882	+44°803	-4	M	...	*	...	11°915	+25°053	1·00	...	...
†	18°763	+9°931	-5	M	...	...	1°374	+30°776	-5	M m	...	...	...	11°922	-38°207	-5	...	...
131	-18°543	-11°969	1·70	44. 804	8·8	191	-1°277	+23°825	-3	M	...	251	+11°937	-48°942	0·65	...	...
...	18°405	+58°172	0·65	...	...	...	1°212	+33°915	-2	M	...	...	*	12°035	+18°778	1·05	43. 784	10·4
...	17°725	-39°377	-4	...	...	*	0°822	+31°807	1·10	43. 779	9·8	...	...	12°204	+57°686	-4	...	...
...	17°712	+0°884	-4	M	...	...	0°352	-38°608	-2	m	...	...	*	12°504	-19°256	1·05	44. 817	10·4
*	17°500	-53°471	2·40	44. 805	8·2	...	0°239	-56°946	0·70	...	...	...	*	12°650	-27°270	1·05	44. 818	10·4
†	-17°460	+24°956	1·00	43. 772	10·4	...	-0°187	-51°337	0·65	...	...	...	+	12°700	-44°191	-2	...	...
...	16°925	+10°296	0·80	...	...	S†	-0°061	+25°730	1·45	43. 780	9·0	...	...	12°719	+8°279	-5	...	...
...	16°832	-53°037	-5	...	...	†	+0°137	-55°492	-1	...	...	...	...	12°820	-26°517	-4	...	...
...	16°828	-11°982	0·70	...	...	†	0°155	-15°533	0·65	...	...	...	...	12°969	-19°733	-5	...	...
...	16°433	+48°521	-4	M	...	†	1°275	+14°952	-4	M	...	*	...	13°495	-3°764	1·10	44. 819	10·1
141	-14°804	-24°755	2·20	44. 806	8·0	201	+1°607	-56°649	-2	...	...	261	+13°643	-33°620	0·80	...	...
S†	14°764	-14°468	1·10	44. 807	9·8	...	1°673	+2°310	-5	M	...	...	...	14°345	+43°675	-4	...	...
†	14°698	+11°615	-2	A	...	*	1°715	-26°675	1·10	44. 810	10·4	...	...	14°679	+15°904	-1	...	...
...	14°607	+3°145	1·20	43. 773	10·0	...	1°955	-43°204	-4	...	...	...	...	14°910	-25°983	-3	...	...
*	14°361	+4°274	-3	M	...	...	2°203	+5°132	-3	M	...	...	...	15°037	+41°925	-5	...	...
...	-14°296	+49°720	-1	...	...	*	+2°604	-0°119	1·10	43. 781	10·4	...	+	15°355	+13°317	-5	m	...
...	13°711	-32°772	-2	...	...	...	3°145	+10°574	-3	M	...	...	...	15°356	-31°063	-5	...	...
...	13°642	-0°506	-3	B	...	...	3°208	-11°419	-4	...	...	*	...	15°496	-35°864	1·00	44. 820	10·4
...	13°640	-11°131	0·90	...	...	*	3°697	-41°590	1·25	44. 811	9·6	...	...	15°654	+57°043	0·80	...	...
...	13°444	+39°737	-4	M	...	*	4°555	+34°840	1·10	43. 782	10·1	*	...	15°833	-51°941	1·00	...	...

Notes.	Co-ordinates.		Diam	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes	Co ordinates		Diam	C.P.D				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x	y.		No	Mag			
271-330						331-390						391-446								
271	+16.044	-57.934	-1	...	...	331	+29.544	-2.391	1.33	44. 828	9.5	391	+44.304	+35.276	-5	...	...	
...	16.481	-33.572	0.85	...	...	...	29.822	+34.749	-2	...	...	...	45.068	-49.177	-5	...	...	
...	16.551	-39.943	-3	...	...	...	30.813	-40.216	-4	...	...	...	* 45.131	-57.162	1.60	43. 795	9.2		
...	16.612	+42.231	-3	...	...	...	31.017	+17.055	-2	...	...	...	* 45.370	-56.878	1.25	44. 838	9.8		
...	16.988	-43.621	-5	...	...	...	31.045	+17.595	-1	...	...	...	...	45.671	-39.750	-4	...	...
*	+17.020	+47.520	1.90	43. 785	8.6	...	+31.155	+45.664	-4	...	...	...	...	+45.849	+30.597	0.75	...	...
...	17.316	-6.701	0.70	...	...	...	32.040	-23.646	1.50	44. 830	9.0	...	...	45.987	+37.738	-2	...	...
...	17.845	-54.597	-4	...	...	...	* 32.208	-35.237	2.20	44. 831	8.4	...	...	...	46.559	-30.432	-1	...	...
...	18.170	-10.625	-5	m	...	...	...	32.988	-40.046	-3	...	...	...	...	46.670	-46.110	0.75	...	...
...	18.601	+0.887	0.80	...	...	...	* 33.345	-49.703	1.20	44. 832	9.6	...	...	...	46.755	-30.678	-4	...	...
281	+18.953	+1.729	0.80	...	...	341	+34.043	-4.545	-4	...	...	401	* 46.907	-43.739	1.25	44. 839	9.6		
...	19.382	+36.828	1.00	43. 786	10.4	...	34.114	+22.563	-4	...	...	...	* 48.109	-1.126	1.05	44. 840	10.0		
...	19.460	+16.548	0.80	...	...	...	† 34.523	-34.889	1.15	44. 833	9.8	...	...	48.168	+9.401	-4	...	...
...	19.745	-46.908	-1	...	...	...	...	34.578	-40.816	-5	...	...	...	48.970	-10.309	-2	...	...
*	19.832	-22.869	1.00	44. 821	10.4	...	...	34.634	-21.701	0.80	...	...	...	49.707	-30.957	-5	...	...
...	+20.386	-20.561	-1	...	...	...	...	+34.703	-48.052	-2	...	...	...	† 49.819	-23.096	-4	...	...
...	21.395	+46.311	0.65	...	...	...	...	† 34.768	+34.970	0.80	...	...	...	* 49.938	-11.171	-4	...	...
...	21.419	-34.539	-4	...	...	...	...	* 35.397	+44.135	1.00	...	...	...	...	50.279	+45.068	-5	...	...
...	21.461	-20.381	-2	...	...	...	...	...	35.651	-46.574	-3	...	...	...	* 50.309	+15.250	1.05	43. 796	10.0
...	21.588	-5.712	-4	m	...	...	...	36.148	-22.550	-5	m	...	...	...	50.626	-14.721	0.65	...	...
291	+22.167	-4.609	-4	...	...	351	+36.456	-48.454	-5	m	...	411	...	50.677	-2.809	-2	...	...
...	22.449	-57.298	-4	...	...	...	36.490	+14.395	-4	...	...	...	...	51.275	+32.365	-5	...	...
...	22.454	-38.764	0.80	...	...	...	37.248	+43.800	0.80	...	...	...	...	51.343	-17.140	-5	...	...
...	22.592	-26.145	-4	...	...	...	* 37.297	+56.938	1.45	43. 789	9.4	...	...	51.691	-22.583	0.80	...	...
...	22.835	+34.630	-4	...	...	...	...	37.674	+28.374	0.70	...	...	...	51.722	-58.460	-4	...	...
...	+23.629	-29.189	-3	...	...	...	...	+37.808	-29.644	0.80	...	...	...	51.722	-58.460	-4	...	...
...	23.913	+42.636	-3	...	...	...	...	37.871	+14.121	-5	m	...	...	...	+51.755	-34.733	-5	...	...
...	23.918	+13.323	0.75	...	...	...	...	* 38.005	+23.319	1.10	43. 790	10.0	...	...	52.148	-12.925	-4	...	...
...	24.054	-6.103	-4	...	...	...	...	38.457	+10.987	-5	...	...	...	...	* 52.678	+33.771	1.15	43. 797	9.9
...	24.389	-0.502	0.80	...	...	...	...	38.460	-59.289	-4	...	...	...	...	53.043	-47.678	-3	...	...
301	+24.599	-40.258	-5	...	...	361	+38.491	+18.208	-5	...	...	421	* 53.535	-14.287	1.00	43. 798	10.2		
...	25.207	-16.397	1.00	44. 822	10.4	...	38.566	-9.519	0.75	...	...	...	...	53.859	-4.784	-2	...	...
...	25.726	+31.951	-5	...	...	...	38.862	-16.099	-3	...	...	...	...	54.011	+27.135	-5	...	...
...	25.807	+40.603	-4	...	...	...	* 38.866	-36.306	1.10	44. 834	10.4	...	...	† 54.027	-34.732	1.20	44. 841	9.9	
...	25.887	+9.153	-3	...	...	...	...	38.958	+21.588	0.80	...	...	...	* 54.245	-39.795	1.10	43. 799	10.2	
...	+26.104	-42.482	0.75	...	...	...	...	+39.450	-29.032	-5	...	...	...	...	+54.740	-24.499	-5	...	...
...	26.126	-1.697	-2	...	...	...	...	39.592	-21.162	-4	...	...	...	...	55.369	+52.575	-3	...	...
...	26.287	+57.746	-4	...	...	...	...	39.820	-40.667	0.90	...	...	...	...	55.508	-21.189	-2	...	...
...	26.484	-55.945	-2	...	...	...	...	39.913	-55.621	-3	...	...	...	...	55.972	-9.000	-4	...	...
...	* 26.679	-36.166	1.10	44. 823	10.0	...	...	40.130	-18.510	-4	...	...	...	...	56.080	+0.987	-4	...	...
311	+26.685	+50.546	-2	...	...	371	+40.225	+11.076	1.05	...	...	431	...	+56.344	+58.013	-2	43. 800	10.2	
...	* 26.694	+22.326	1.30	43. 787	9.2	...	40.380	+41.058	-5	m	...	...	...	56.359	-6.931	-5	...	...
...	* 26.958	-47.412	1.10	44. 824	9.6	...	* 40.690	+23.346	3.00	43. 791	7.4	...	...	* 56.538	-26.593	1.10	43. 801	9.8	
...	27.173	+27.007	-3	...	...	...	...	40.724	+46.433	-5	...	...	...	...	56.565	-55.340	-5	...	...
...	27.177	+1.048	-1	...	...	...	...	40.881	+53.792	-3	...	...	...	...	56.704	-9.103	-4	...	...
...	† 27.182	+39.874	0.75	...	...	...	...	+40.977	-2.087	-5	...	...	...	...	+57.031	-56.051	-4	...	...
S*	27.460	+51.276	2.20	43. 788	8.1	...	...	41.232	-14.298	0.65	...	...	...	...	57.171	+10.346	-5	...	...
...	27.525	-51.018	-2	...	...	...	...	41.484	+51.864	0.85	43. 792	10.4	...	...	* 57.621	-29.418	1.00	44. 842	10.2
...	27.603	+17.616	-1	...	...	...	...	† 41.792	+49.964	0.70	43. 793	10.2	...	...	57.691	+30.447	-4	...	...
...	27.848	+7.762	-4	...	...	...	...	41.957	+36.679	0.80	43. 794	10.2	...	...	* 57.802	+20.227	1.30	43. 802	9.0
321	+28.000	-16.535	1.00	44. 825	10.4	381	+42.381	+35.623	-5	...	...	441	...	+58.152	-47.222	0.90	44. 843	10.2	
...	28.042	+3.532	-4	...	...	...	42.383	+52.723	-5	...	...	...	...	* 58.201	-9.169	1.25	43. 803	9.1	
...	28.136	-57.234	-3	...	...	...	* 42.417	-3.569	1.20	44. 835	10.2	...	...	...	58.588	-9.526	-5	...	...
...	28.257	-45.127	-5	42.604	-44.400	1.15	44. 836	10.4	58.983	-21.273	-4
...	* 28.265	-14.717	1.10	44. 827	9.8	42.720	-48.102	-5	59.663	-7.198	-3
...	* 28.277	-5.651	1.15	44. 826	9.5	...	...	+42.982	-48.634	-5	m	...	...	...	* 59.768	-59.064	1.10	44. 844	9.9
...	28.287	-25.722	0.75	...	...	...	...	43.202	+18.374	0.70	...	...	...	...	...	...	...	...	...
...	28.338	-11.341	-4	...	...	...	...	43.354	+0.348	-4	...	...	...	...	...	...	...	...	...
...	29.118	-40.181	-4	...	...	...	...	* 43.699	-20.866	1.10	44. 837	10.4	...	...	...	...	...	...	...
...	* 29.518	-48.814	1.00	44. 829	10.4	...	...	44.171	-42.148	-5	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
	1-60						61-120						121-180				
I	-59.762	-1.296	1.00	44. 840	10.0	61	-48.270	-21.106	-4	...	...	121	-36.781	+11.109	-5	...	...
†	59.656	-43.942	1.15	44. 839	9.6	...	48.014	-32.022	-5	M	...	...	36.775	-15.323	-3	...	...
+	58.793	+22.957	-4	...	...	*	47.637	+4.656	1.10	43. 805	9.9	...	36.608	+46.375	-3	...	...
...	58.557	-37.023	-5	...	...	*	47.490	+9.117	1.00	43. 806	10.2	...	36.560	-11.546	-5	...	...
...	58.031	-30.443	-3	E	...	...	47.481	-16.262	-4	...	...	*	36.522	+31.649	1.00	43. 815	10.2
*	-58.019	+15.128	1.10	43. 796	10.0	...	-47.030	-5.316	-5	...	...	...	-36.469	-34.228	-5	...	...
...	57.633	+32.258	-5	...	...	...	46.613	+20.898	-5	...	...	...	36.398	+57.728	-5	...	...
...	57.630	-11.277	-3	...	...	*	46.341	-58.855	1.20	44. 844	9.9	...	36.134	-11.347	-5	...	...
...	57.322	+2.694	0.65	...	...	...	46.240	-52.417	-5	...	...	...	35.923	-32.786	-5	...	...
...	57.256	-31.073	-5	...	...	...	46.091	+21.015	-3	...	...	...	35.845	-26.573	0.70	...	...
II						71						131					
...	-57.222	+34.653	-5	...	...	...	-45.928	-48.685	-5	...	...	...	-35.735	+48.034	-3	...	...
...	56.839	-14.823	-1	...	...	*	45.775	+6.684	1.25	43. 807	9.0	...	35.692	+32.065	-5	...	...
...	56.314	+47.640	-4	...	...	...	45.676	-20.830	-5	M	...	...	35.688	-15.567	-4	M	...
*	56.263	+33.710	1.20	43. 797	9.9	...	45.387	-0.159	-4	F	...	...	35.687	-4.396	0.65	...	...
...	56.223	-4.988	-5	M	...	...	45.333	+13.727	-4	A	...	...	35.183	-54.143	-1	...	...
...	-56.172	+12.853	-4	...	...	...	-44.933	-6.191	-5	M	...	*	-35.076	-34.606	1.20	44. 849	9.8
...	56.054	-17.231	-5	...	...	†	44.844	-18.434	-5	...	...	...	34.953	-15.222	-2	...	...
...	55.807	-27.144	-5	M	...	†	44.803	+0.966	-4	B	...	...	34.943	-21.261	-3	...	...
...	55.540	-22.649	0.65	...	...	*	44.461	+15.018	1.25	43. 808	9.5	†	34.841	+4.660	0.65	43. 816	10.2
...	55.316	+8.759	-5	M	...	...	44.259	+24.964	-5	...	...	...	34.819	-47.970	-5	...	...
2I						81						141					
...	-55.297	+7.729	-5	...	...	...	-43.925	+59.027	-5	...	...	...	-34.754	+2.726	1.00	43. 817	10.2
...	55.155	+14.430	-4	...	...	*	43.572	+26.885	1.80	43. 809	8.4	...	34.401	-55.717	-2	...	...
†	54.878	+39.776	0.65	43. 799	10.2	...	42.721	+29.481	-5	M	...	S*	34.179	+8.520	2.20	43. 818	7.8
†	54.825	+14.265	0.85	43. 798	10.2	...	42.704	-29.794	-5	...	...	...	33.974	-8.344	-2	...	...
...	54.727	+27.107	-5	...	...	...	42.606	-0.754	-2	...	...	...	33.947	+41.414	0.80	43. 820	10.2
...	-54.407	-58.515	-4	...	...	...	-42.382	-12.060	-2	...	...	*	-33.894	-54.285	1.10	44. 850	10.0
...	54.200	+4.779	-2	...	...	*	42.309	+10.884	1.00	43. 810	10.2	*	33.844	+35.668	1.05	43. 819	10.2
...	54.135	+52.584	-3	...	...	...	42.018	+1.259	-5	M	...	*	33.550	+8.278	1.00	43. 821	10.2
...	53.719	+3.359	-4	...	...	†	41.306	+34.826	0.75	...	...	...	33.429	-42.809	-3	...	...
...	53.646	+19.454	-5	...	...	*	41.291	+8.938	1.05	43. 811	10.2	...	33.271	-58.600	-3	...	...
3I						91						151					
...	-53.569	-56.616	-5	...	...	...	-41.261	+35.349	-3	...	...	...	-33.225	-51.342	-5	M	...
...	53.385	-24.690	-5	...	...	...	41.179	-20.252	-4	...	...	*	32.863	+16.431	1.00	45. 822	10.2
...	53.356	+1.230	-5	M	...	...	41.176	-8.847	-3	...	...	...	32.711	+43.425	0.85	...	...
...	53.333	+58.051	-2	43. 800	10.2	...	41.107	+18.879	-3	...	...	...	32.674	+11.326	-3	...	...
...	53.154	+8.235	-5	...	...	...	41.056	+50.074	-1	43. 812	10.2	...	32.585	+1.771	-5	M	...
*	-52.822	-34.721	1.15	44. 841	9.9	...	-41.036	-38.932	-5	M	...	...	-32.491	-55.310	-5	...	...
...	52.427	-24.460	-4	...	...	...	40.874	-31.885	-5	...	...	...	32.420	+43.921	0.85	...	...
...	52.198	-20.621	-5	...	...	...	40.620	-34.823	0.75	44. 845	10.2	...	32.366	+4.519	-4	...	...
*	52.191	+26.649	1.10	43. 801	9.8	...	40.585	-41.222	-5	...	...	...	32.298	-48.536	0.90	44. 851	10.2
...	51.869	+1.036	-3	...	...	...	40.078	-14.345	-4	...	...	...	32.048	-0.320	-3	A	...
4I						101						161					
...	-51.793	+59.272	-5	...	...	...	-39.861	-31.970	-5	...	...	...	-31.960	-20.824	0.90	...	...
...	51.769	-21.135	-3	...	...	...	39.702	+0.583	-3	...	...	...	31.815	-32.921	-5	M	...
...	51.736	-36.490	-5	...	...	...	39.498	-39.789	-4	...	...	...	31.739	+21.334	-5	...	...
...	51.674	-8.933	-3	...	...	...	38.999	+18.526	-5	...	...	...	31.551	-11.826	0.85	...	...
...	51.624	+57.651	-5	...	...	...	38.201	-45.691	-3	...	...	*	31.228	-34.366	1.10	44. 852	9.6
...	-51.346	-6.871	-4	...	...	...	-38.196	-29.344	-5	...	...	...	-31.145	-11.255	0.75	...	...
...	51.151	+30.532	-4	...	...	...	38.118	-18.832	-3	...	...	...	30.701	-48.771	-4	...	...
...	51.049	+10.428	-5	...	...	...	38.097	+50.399	-2	43. 813	10.2	...	30.438	-36.221	0.65	...	...
...	51.000	+59.372	-4	...	...	...	37.800	+16.977	-5	...	...	...	30.251	-38.503	-5	...	...
...	50.921	-9.023	-5	...	...	...	37.710	+51.882	0.75	43. 814	10.2	...	30.237	+18.359	-5	...	...
5I						111						171					
*	-50.737	+20.332	1.30	43. 802	9.0	†	-37.656	-24.975	-4	...	...	...	-30.161	-17.554	-2	...	...
*	50.006	+9.301	1.30	43. 803	9.1	*	37.537	-56.093	1.10	44. 846	10.2	...	29.952	-23.626	-3	...	...
...	49.635	+9.662	-4	...	...	...	37.381	-50.674	-4	...	...	...	29.925	-25.401	-4	...	...
...	49.413	-29.290	0.90	44. 842	10.2	...	37.378	+54.919	-5	...	...	...	29.923	-56.861	-5	...	...
...	49.366	+43.067	-2	43. 804	10.2	...	37.219	-41.573	-4	...	...	...	29.356	+14.192	1.20	43. 823	9.6
...	-49.178	-55.949	-4	...	...	N	-36.990	-48.055	-1	...	...	...	-29.192	-11.254	-5	M	...
...	48.714	-19.863	-5	M	...	...	36.974	-33.235	-5	...	...	*	29.103	-35.951	1.35	44. 853	9.2
...	48.491	-4.725	-5	M	...	...	36.890	-51.565	0.85	44. 847	10.2	*	28.845	-31.926	1.15	44. 854	9.8
...	48.479	+7.356	-2	...	...	...	36.813	+45.284	-3	...	...	...	28.577	+0.843	-2	...	...
...	48.316	-47.083	0.85	44. 843	10.2	S*	36.800	-10.590	1.53	44. 848	8.6	...	28.349	+32.742	-5	...	...

S measured from 1, 53, 102, 175, 252, 317, 386, 445, 509, 555, 617, 672.
 SB " " 23, 78, 139, 209, 284, 352, 421, 478, 531, 595, 651, 703.

116. Mass. 45° 38', two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
181-240						241-300						301-360					
181	-28.286	-51.473	-5	...	...	241	-21.265	+23.714	1.10	43. 834	9.8	301	-12.082	-50.736	-5	...	...
...	27.955	+29.173	0.80	...	...	...	21.216	-45.385	-5	...	...	...	12.024	-27.767	0.75	...	...
...	27.944	+4.495	-5	...	...	...	21.125	-26.306	-5	...	...	...	11.828	+47.876	-5	...	...
*	27.826	-56.601	1.35	44. 855	9.4	...	20.997	-14.814	-5	M	...	...	11.680	+39.497	-5	...	...
...	27.662	-26.208	-5	M	...	*	20.884	-37.643	1.20	44. 859	9.4	...	11.617	-7.267	-3	...	...
...	-27.647	+42.658	-5	...	...	...	-20.829	+12.833	-3	...	...	...	-11.458	-53.629	-5	...	...
...	27.599	+48.921	-4	...	...	...	20.811	-9.759	-5	M	...	...	11.294	-59.666	-3	...	...
...	27.242	+10.973	-5	...	...	...	20.432	+42.407	-5	...	...	...	11.108	+14.187	-5	...	...
...	27.148	+7.612	-5	M	...	...	20.284	+33.995	-5	...	...	...	11.085	+28.950	-5	M	...
...	27.140	+20.443	-4	...	...	...	20.161	+1.833	-5	M	...	...	10.893	+11.921	-5	M	...
191	-26.854	+35.652	-5	...	...	251	-20.101	+53.412	1.00	43. 835	9.8	311	-10.728	-5.321	-5	M	...
*	26.550	+21.769	1.10	43. 824	9.5	...	19.927	+33.512	-5	...	...	...	10.536	+52.927	-3	...	...
...	26.226	-12.885	-4	...	...	...	19.884	+11.750	-5	...	...	...	10.515	+4.567	-5	M	...
...	26.226	+24.335	-5	...	...	...	19.863	+32.158	0.80	...	...	...	10.222	-38.128	-3	...	...
*	26.083	+23.582	1.40	43. 825	8.8	...	19.779	+5.632	0.70	...	...	...	10.137	-18.818	-5	...	...
...	-26.071	-53.810	-5	...	...	...	-19.637	+0.056	-4	a	...	...	-9.983	-47.582	-4	...	...
*	25.904	-43.017	1.10	44. 856	10.0	...	19.533	-31.321	1.20	44. 860	9.6	...	9.743	+28.920	-2	...	...
...	25.870	-14.474	-4	M	...	...	19.435	+29.160	-5	...	...	...	9.289	-34.797	-4	...	...
...	25.800	-41.034	-4	...	...	...	19.190	-42.828	-3	...	...	...	8.897	-46.620	-4	...	...
...	25.786	-14.523	-5	M	...	*	18.778	-37.896	1.10	44. 861	10.0	...	8.889	-27.276	1.10	44. 865	10.0
201	-25.701	+37.995	-1	43. 826	10.2	261	-18.570	-50.295	-5	M	...	321	-8.581	-16.597	-2	...	...
...	25.663	+51.711	-5	...	...	*	18.485	-42.703	2.80	44. 862	7.6	...	8.439	-2.186	-5	M	...
...	25.430	-14.498	-2	...	...	...	18.044	+39.635	-3	...	...	*	8.435	-30.188	1.15	43. 838	9.6
n	25.401	+38.005	0.80	43. 826	10.2	S †	17.882	+49.874	1.45	43. 836	8.6	...	8.367	-56.001	-4	...	...
...	25.380	+38.825	-5	...	...	...	17.560	+24.226	-4	...	...	...	8.192	+5.670	-1	...	...
*	-25.313	+33.418	1.25	43. 827	9.5	...	-17.262	-9.606	-4	...	...	...	-8.144	-37.092	-3	...	...
...	25.259	+54.117	-5	...	...	...	17.167	-27.764	-4	...	...	*	8.112	+35.344	1.05	43. 839	10.2
...	25.018	-0.914	-2	...	...	...	17.125	-11.009	-5	...	...	...	8.010	+25.315	-3	...	...
...	24.712	-7.231	0.65	...	...	*	17.048	-43.607	1.90	44. 863	8.2	...	7.624	-25.153	-4	...	...
*	24.593	+44.170	1.10	43. 829	9.9	...	16.975	+25.136	-5	...	...	*	7.480	-16.963	1.10	44. 867	9.8
211	-24.575	+12.951	1.10	43. 828	9.8	271	-16.944	-41.790	-5	...	...	331	-7.362	-11.081	1.00	44. 868	10.2
...	24.529	+8.785	-2	...	...	...	16.490	-47.338	-5	...	...	...	7.314	+38.658	-2	...	...
...	24.468	-10.799	0.70	...	...	...	16.357	-37.151	-3	...	...	...	7.281	+26.035	-5	M	...
*	24.454	-41.135	1.00	44. 857	10.2	...	16.317	+40.914	-1	...	...	...	7.129	-55.096	-5	...	...
*	24.051	+22.281	1.30	43. 830	9.0	...	16.248	-32.270	-5	M	...	S *	6.944	+10.602	1.28	43. 840	9.4
...	-23.946	+51.712	-5	...	...	*	-15.838	-1.970	1.00	44. 864	10.2	...	-6.748	+23.070	-3	...	...
...	23.901	-1.998	-5	M	...	...	15.583	+17.691	0.65	...	...	...	6.656	+26.067	-5	M	...
...	23.821	-12.853	-5	...	...	...	15.488	-34.226	-4	...	...	...	6.656	+2.251	-5	M	...
...	23.803	-14.415	-4	...	...	...	15.480	+17.483	-5	...	...	...	6.602	+59.723	-3	...	...
...	23.652	+40.336	-5	...	...	...	15.423	+26.227	0.65	...	...	...	6.462	-48.789	-3	...	...
221	-23.491	+26.743	-3	...	...	281	-15.158	+24.030	-5	...	...	341	-6.418	-53.939	-4	...	...
N	23.450	+59.543	-2	...	...	...	14.988	-14.058	-5	M	...	...	6.328	+46.890	-4	...	...
...	23.279	-26.587	-5	M	...	...	14.947	-27.231	-5	...	...	...	6.299	+43.964	-4	...	...
...	23.215	-13.584	0.90	...	...	...	14.369	+22.221	-2	...	...	...	6.158	+49.206	-5	...	...
*	23.193	+30.454	1.10	43. 831	10.0	...	14.316	-14.317	-2	...	...	...	5.865	-10.560	-5	M m	...
*	-23.165	+2.267	1.10	43. 832	9.8	...	-14.262	-15.411	-3	B	...	...	-5.728	+50.643	-4	...	...
...	23.149	+56.282	-5	...	...	...	14.173	+22.303	0.90	...	...	...	5.719	+39.958	-5	...	...
...	23.146	-0.238	-4	...	...	...	13.868	+12.508	-5	M	...	...	5.585	-51.123	0.80	...	...
N *	23.108	-44.752	2.05	44. 858	8.2	...	13.637	-43.420	-5	...	...	...	5.421	-32.268	-5	M m	...
...	22.910	+57.472	-3	...	...	...	13.607	+5.474	-4	M	...	...	5.276	-55.468	-5	m	...
231	-22.705	+37.374	-3	...	...	291	-13.314	+14.995	-5	...	...	351	-5.275	-1.349	-5	M m	...
...	22.678	-33.732	-2	...	...	...	13.028	-47.209	-5	...	...	...	4.919	-11.933	-2	...	...
...	22.672	+40.282	-3	...	...	...	12.982	-41.830	-1	...	...	*	4.909	-52.198	1.10	43. 841	9.8
...	22.635	-17.799	0.65	...	...	...	12.935	+32.526	-3	...	...	...	4.788	-49.105	-4	...	...
...	22.445	-55.933	-5	M	...	...	12.932	+31.265	-2	...	...	...	4.787	-23.195	-5	M m	...
...	-22.426	+5.871	-3	...	...	...	12.472	+15.222	-4	...	...	...	-4.767	-52.242	0.75	...	...
...	22.168	+41.377	-4	...	...	...	12.322	+11.807	0.85	43. 837	10.2	...	4.658	-46.548	-2	...	...
...	22.117	-56.114	-3	...	...	...	12.225	+17.810	-3	...	...	...	4.625	-4.171	-2	...	...
...	21.493	-33.177	-3	...	...	...	12.210	-20.506	-4	M	...	...	4.425	-0.013	-1	...	...
*	21.280	+8.944	1.00	43. 833	10.0	...	12.160	+33.573	-3	...	...	...	4.413	-28.434	-5	M m	...

201, 204. C.P.D., probably mass.
222. Mass. 43° 38, two stars.

229. Mass. 45° 38, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-420						421-480						481-540					
361	- 4.341	- 38.427	1.05	44. 869	9.9	421	+ 5.283	+ 54.568	- 4	...	...	481	+ 15.281	- 48.648	- 4	...	...
...	4.198	+ 15.545	- 4	M m	...	...	+ 5.682	- 29.258	- 5	M m	...	...	15.345	+ 48.064	- 5	m	...
...	4.182	- 47.288	1.00	44. 870	10.2	...	5.984	+ 36.534	- 1	...	...	...	15.448	- 24.915	- 5	m	...
...	3.887	- 54.300	- 5	m	...	...	6.320	+ 18.515	- 1	...	...	...	15.561	- 50.721	- 5	...	...
...	3.387	- 30.277	- 2	...	...	...	6.602	- 8.176	- 5	m	...	...	15.632	- 10.594	0.80	...	...
...	- 3.297	+ 7.826	- 4	m	...	...	+ 6.954	- 46.507	- 4	...	...	...	+ 16.177	+ 8.380	- 4	...	...
...	2.605	+ 52.071	- 5	...	...	...	7.167	- 13.068	0.70	...	...	...	16.221	- 33.011	- 1	...	...
...	2.284	- 34.550	- 5	m	...	...	7.347	- 35.789	- 3	...	...	...	16.230	- 49.856	1.10	44. 884	9.9
...	2.190	+ 7.801	- 5	M m	...	...	7.570	+ 35.300	- 5	...	...	...	16.359	+ 37.763	- 5	m	...
...	2.189	+ 9.462	- 5	M m	...	...	7.898	- 26.674	- 1	...	...	...	16.410	+ 36.062	- 3	...	...
371	- 2.112	+ 14.977	- 5	m	...	431	+ 7.987	- 38.845	- 5	m	...	491	+ 16.578	+ 41.382	1.00	43. 855	10.2
...	1.936	+ 46.453	- 5	...	...	...	7.998	- 19.129	- 2	...	...	...	16.656	+ 11.864	- 4	...	...
...	1.771	- 45.869	0.90	44. 871	10.2	...	8.094	+ 50.270	- 5	m	...	...	16.822	- 47.219	1.10	44. 885	10.0
...	1.590	- 42.725	- 5	M m	...	...	8.095	- 19.707	1.00	44. 875	10.2	...	16.917	+ 58.035	0.80	43. 856	10.2
...	1.439	+ 17.022	- 5	m	...	...	8.384	+ 28.114	- 3	...	...	...	17.273	- 51.172	- 3	...	...
...	- 1.107	+ 40.957	- 2	...	...	...	+ 8.635	+ 20.974	- 5	m	...	...	+ 17.277	- 16.925	- 5	m	...
...	1.080	- 44.298	- 3	...	...	...	8.651	+ 20.817	0.65	...	...	...	17.838	- 3.391	- 2	...	...
...	0.907	- 14.790	- 2	...	...	...	8.763	- 1.227	- 5	m	...	...	18.004	- 0.205	- 2	...	...
...	0.723	+ 27.108	- 5	m	...	...	8.813	+ 57.841	- 3	43. 848	10.2	...	18.014	+ 17.108	1.05	43. 857	9.9
...	0.594	- 35.387	- 5	M m	...	...	8.818	- 22.362	- 1	a	...	...	18.044	+ 40.655	- 5	m	...
381	- 0.533	+ 1.354	- 5	M m	...	441	+ 9.225	+ 6.770	- 5	m	...	501	+ 18.264	+ 5.630	- 5	m	...
...	0.450	+ 9.061	- 5	M m	...	...	9.380	+ 6.380	- 2	...	...	...	18.288	+ 26.528	1.10	43. 858	10.2
...	0.219	+ 21.432	- 5	m	...	...	9.857	- 58.812	1.00	44. 876	10.2	...	18.305	- 40.947	- 3	...	...
...	0.124	+ 1.278	1.15	43. 842	9.6	...	9.899	- 0.038	1.30	43. 849	9.5	...	18.320	+ 25.531	- 5	m	...
...	- 0.085	+ 20.840	- 4	...	...	...	10.205	+ 52.262	1.15	43. 850	10.0	...	18.458	- 42.259	- 2	b	...
...	+ 0.070	+ 24.341	- 5	m	...	...	+ 10.606	- 40.955	- 3	...	...	...	+ 18.549	+ 38.850	1.65	43. 859	8.6
...	0.142	- 16.162	- 5	m	...	...	10.667	+ 47.974	- 2	...	...	...	19.370	- 6.877	- 5	m	...
...	0.175	- 33.855	- 5	...	...	...	10.843	- 15.766	- 4	m	...	...	19.569	- 20.433	- 5	m	...
...	0.223	+ 3.497	- 4	m	...	...	10.857	+ 40.198	- 2	...	...	...	20.068	- 16.006	- 2	...	...
...	0.498	+ 24.514	- 3	...	...	...	10.900	+ 0.252	0.80	43. 851	10.2	...	20.344	- 54.396	- 2	...	...
391	+ 1.176	- 3.047	- 5	M m	...	451	+ 11.068	- 19.872	1.00	44. 877	10.0	511	+ 21.067	- 42.552	- 4	...	...
...	1.191	- 27.955	- 2	...	...	...	11.104	+ 32.333	- 5	m	...	...	21.138	+ 5.807	- 5	m	...
...	1.285	+ 13.874	- 5	m	...	...	11.377	- 2.785	- 5	m	...	...	21.174	+ 8.488	- 4	...	...
...	1.330	- 5.554	- 5	M m	...	...	11.502	- 16.207	1.10	44. 878	10.2	...	21.262	- 0.468	1.10	43. 861	10.0
...	1.556	- 7.835	- 5	M m	...	...	11.574	+ 22.029	- 5	...	...	...	21.323	+ 28.774	1.10	43. 860	9.9
...	+ 1.593	+ 8.514	- 5	M m	...	...	+ 11.838	+ 26.551	- 5	m	...	...	+ 21.402	+ 28.540	- 5	m	...
...	1.598	- 48.985	- 5	M m	...	...	11.886	- 35.142	0.80	...	...	...	22.187	- 40.809	- 5	m	...
...	1.625	+ 7.685	0.85	43. 843	10.2	...	11.977	- 27.797	1.10	44. 879	10.2	...	22.413	+ 28.038	- 3	...	...
...	1.773	- 29.890	0.90	44. 872	10.2	...	12.165	- 56.910	1.10	44. 880	10.2	...	22.443	+ 5.016	- 5	m	...
...	1.819	+ 8.738	0.70	43. 845	10.2	...	12.188	+ 9.460	1.10	43. 852	10.0	...	* 22.867	+ 22.213	1.00	43. 862	10.0
401	+ 1.926	+ 58.403	1.15	43. 844	10.0	461	+ 12.263	- 34.528	0.85	...	...	521	+ 22.958	- 10.886	- 5	m	...
...	1.968	- 53.796	- 4	M m	...	...	12.260	- 22.886	- 5	m	...	...	23.033	+ 54.744	- 4	...	...
...	1.970	+ 32.388	- 4	...	...	...	12.696	+ 17.198	1.85	43. 853	8.4	...	23.051	- 51.115	- 3	...	...
...	2.241	+ 5.767	- 3	...	...	...	12.799	+ 25.915	- 2	...	...	...	23.201	+ 55.482	- 3	...	...
...	2.248	+ 3.427	- 5	M m	...	...	12.859	- 27.026	- 5	m	...	...	23.347	+ 11.994	- 2	...	...
...	+ 2.269	+ 24.167	- 4	...	...	...	+ 12.918	+ 8.663	- 5	m	...	...	+ 23.410	+ 49.241	1.10	43. 863	9.9
...	2.384	- 58.946	- 5	...	...	...	13.093	- 55.742	- 5	m	...	...	24.123	- 34.073	- 3	...	...
...	2.654	+ 4.293	1.45	43. 846	8.8	...	13.173	- 31.668	- 5	m	...	...	24.239	- 14.286	- 2	...	...
...	* 2.961	- 18.040	1.30	44. 873	9.4	...	13.468	+ 41.024	- 5	...	...	...	24.581	+ 16.144	- 1	...	...
...	3.107	+ 16.986	- 5	M m	...	...	14.094	+ 13.587	- 5	m	...	...	* 24.810	- 12.400	1.20	44. 886	9.6
411	+ 3.125	+ 5.214	- 5	M m	...	471	+ 14.195	- 7.478	- 4	...	...	531	+ 25.684	- 55.716	- 3	...	...
...	3.217	- 15.900	- 4	M m	...	...	14.387	+ 12.468	- 3	...	...	...	25.833	+ 8.906	- 5	m	...
...	3.563	+ 32.709	- 5	M m	...	...	14.552	- 31.985	- 4	...	...	...	25.898	+ 32.280	- 5	...	...
...	4.072	+ 7.266	- 5	M m	...	...	14.715	+ 42.770	1.10	43. 854	9.8	...	26.264	- 53.112	- 5	m	...
...	4.479	+ 57.197	- 5	...	...	...	14.885	- 46.206	0.90	44. 883	10.2	...	26.354	+ 14.867	- 4	...	...
...	+ 4.557	- 24.445	- 3	...	...	...	+ 14.978	- 41.040	- 4	...	...	...	+ 26.408	+ 23.590	- 5	m	...
...	† 4.717	+ 25.029	- 5	...	...	...	14.980	- 32.496	1.10	44. 881	9.6	...	26.501	- 32.006	- 3	...	...
...	* 4.752	+ 55.291	0.80	43. 847	10.2	...	15.086	- 32.349	- 4	...	...	...	* 26.761	- 51.599	1.25	44. 888	9.2
...	4.827	- 14.136	1.15	44. 874	10.0	...	15.146	- 8.290	1.20	44. 882	9.6	...	* 26.906	- 30.162	1.00	44. 887	10.2
...	5.091	- 57.076	- 3	...	...	...	15.203	+ 28.280	- 5	m	...	...	26.932	+ 20.366	- 3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-600						601-660						661-720					
541	+27·141	+31·854	- 5	m	...	601	+36·395	-56·438	0·90	...	...	661	+46·968	-50·390	- 2	43· 878	10·2
...	27·295	+26·951	- 3	...	...	...	36·693	+25·255	- 5	...	...	...	47·071	+32·450	0·90	43· 879	10·2
...	27·363	-17·376	- 5	m	...	...	36·799	- 6·874	- 5	m	...	...	47·546	-47·273	- 5	m	...
...	27·379	+29·168	0·65	...	...	...	37·344	-33·722	- 5	m	...	S*	47·609	- 6·773	2·00	44· 905	8·0
...	27·399	-26·878	- 3	...	...	...	37·345	+46·766	- 5	m	...	*	47·787	-41·675	1·10	44· 906	9·6
...	+28·084	-45·340	0·80	...	...	...	+37·886	-10·149	- 5	m	...	...	+48·264	-40·725	- 5	m	...
...	28·188	+21·207	- 5	m	...	...	38·386	+ 3·195	- 5	m	...	...	48·282	-10·052	- 4	e	...
...	28·288	-36·844	- 5	...	...	...	38·438	+37·944	- 5	m	...	...	48·804	+33·563	0·70	43· 880	10·2
...	28·498	-40·977	- 5	m	...	...	38·491	-53·703	1·00	44· 894	10·0	*	48·871	-36·992	1·00	44· 907	10·0
...	28·981	+39·137	- 5	m	...	...	38·508	+48·531	- 3	...	...	...	48·947	-53·886	- 5	...	...
551	+29·110	-19·593	- 4	...	...	611	+38·954	+28·359	- 5	m	...	671	+49·027	+ 4·491	- 5	...	...
...	29·268	+18·427	- 2	...	...	*	39·092	+31·032	1·10	43· 869	9·8	*	50·510	- 6·383	1·00	...	...
...	29·451	+12·506	- 5	m	...	...	39·146	- 5·912	- 5	m	...	...	50·605	+32·303	- 4	...	...
†	29·906	- 9·783	- 3	...	...	...	39·352	-35·489	- 5	...	...	...	50·743	-37·848	0·75	44· 908	10·2
...	30·027	+16·518	0·75	...	...	...	39·361	-50·061	0·65	...	...	...	51·039	+ 8·934	0·80	...	...
...	+30·229	-24·996	- 4	m	...	...	+39·367	-10·655	- 5	m	...	...	+51·083	+ 2·027	- 5	...	...
...	30·343	+15·790	- 5	...	...	...	39·868	+56·015	- 5	...	...	...	51·109	+24·334	- 5	...	...
...	30·588	-20·785	- 5	m	...	†	39·949	-25·120	- 2	44· 895	10·2	...	51·163	-11·615	- 5	...	...
...	30·711	+ 3·039	- 4	...	...	...	40·162	+43·644	- 5	...	...	...	51·261	+51·399	0·75	43· 881	10·2
...	30·858	- 0·293	- 5	m	...	...	40·190	+ 9·498	- 4	...	...	*	51·435	-58·488	1·70	44· 910	8·8
561	+30·878	-13·354	- 5	m	...	621	+40·250	-32·871	1·20	44· 896	9·5	681	+51·505	-10·796	1·00	44· 909	10·2
...	30·914	-57·407	- 3	...	...	...	40·364	+13·785	- 4	...	...	*	51·539	- 1·497	1·30	43· 882	9·4
...	30·938	+23·189	- 5	m	...	*	40·366	+11·028	1·00	43· 870	10·2	...	51·848	-10·935	- 5	...	...
...	31·215	-51·485	- 5	...	...	*	40·392	- 0·620	2·60	43· 871	7·3	...	51·958	+ 9·634	- 5	...	...
...	31·234	+25·957	- 5	m	...	*	40·704	+16·087	1·00	43· 872	10·2	*	52·031	-29·302	1·15	44· 911	9·5
...	+31·424	+ 4·746	- 2	...	...	*	+40·754	-55·660	1·20	44· 898	9·6	...	+52·097	-12·932	- 3	...	...
...	31·501	-58·920	- 5	...	...	...	40·766	-10·471	- 3	...	...	*	52·281	-17·140	1·00	44· 912	10·2
...	31·708	+ 4·144	- 3	...	...	*	40·832	+18·247	1·15	43· 873	9·8	...	52·349	-10·300	- 3	...	...
...	31·735	-17·470	- 4	...	...	...	40·844	+28·644	- 4	...	...	*	52·408	+40·490	1·10	43· 884	10·0
...	31·799	-33·746	- 2	...	...	*	40·848	-13·342	1·10	44· 897	9·6	...	52·846	+57·808	- 1	43· 883	10·2
571	+31·923	- 5·947	- 4	m	...	631	+41·200	-55·572	1·55	44· 899	9·4	691	+53·088	+14·493	- 5	...	...
*	31·941	-39·379	1·25	44· 889	9·4	...	41·657	+23·327	- 5	...	...	*	53·370	-28·745	1·20	44· 913	9·5
...	32·022	-42·062	0·80	44· 890	10·2	...	41·815	+35·754	- 5	...	...	...	53·573	+14·134	0·65	...	...
...	32·073	-45·868	- 5	...	...	...	41·882	-42·003	- 5	m	...	...	53·825	+11·256	- 4	...	...
...	32·224	+23·977	0·70	43· 864	10·2	...	42·076	- 6·646	- 5	m	...	...	53·869	+33·146	- 5	...	...
*	+32·292	-37·486	1·00	44· 891	10·0	...	+42·411	-22·553	- 3	...	...	...	+54·164	+ 8·198	- 4	...	...
...	32·332	-18·557	- 2	...	...	*	42·521	-46·042	0·90	44· 901	10·2	...	54·448	+ 2·869	- 5	...	...
...	32·344	+ 9·767	- 3	...	...	...	42·850	-14·401	0·75	44· 900	10·2	...	54·524	- 7·420	0·75	44· 914	10·2
*	32·743	+28·103	1·05	43· 865	10·2	...	42·963	+20·262	- 5	...	...	...	54·550	- 5·746	- 5	...	...
...	32·967	-53·863	- 5	...	...	*	43·165	-34·826	1·00	44· 903	10·0	*	54·567	-31·942	1·50	44· 915	8·6
581	+33·179	-34·142	1·70	44· 892	8·6	641	+43·223	- 3·959	2·10	44· 902	8·0	701	+54·624	-40·432	- 5	...	...
S*	33·316	-25·676	- 4	...	...	*	43·307	-1·271	- 1	...	...	...	54·625	-14·421	- 4	...	...
...	33·482	+44·007	- 5	m	...	...	43·470	+43·509	- 5	...	...	†	54·864	+24·727	- 3	...	...
...	33·592	-42·475	- 5	...	...	...	43·653	+ 9·465	0·80	...	...	†	54·865	-23·478	- 5	...	...
...	33·594	-34·147	- 3	...	...	*	43·678	+48·225	1·15	43· 874	10·2	...	55·156	- 2·827	- 3	...	...
...	+33·641	+49·529	0·90	43· 866	10·2	...	+44·101	-47·794	- 3	...	...	...	+55·190	+ 8·608	- 3	...	...
...	34·053	+30·726	0·90	...	...	...	44·153	-51·599	- 5	...	...	...	55·308	+46·035	- 3	43· 885	10·2
...	34·174	-54·018	- 5	m	...	...	44·170	- 1·224	- 3	...	...	...	55·409	-27·457	- 3	...	...
...	34·240	- 0·419	- 4	...	...	...	44·282	-36·952	- 2	...	...	...	55·475	- 1·472	- 2	...	...
*	34·505	+ 1·483	1·10	43· 867	9·9	...	44·673	- 6·599	- 5	m	...	...	55·711	-46·705	- 3	43· 886	10·2
591	+34·536	+ 3·495	1·15	43· 868	9·9	651	+45·589	- 8·095	- 5	m	...	711	+56·121	-44·147	1·80	44· 916	8·8
...	34·637	-51·231	- 5	...	...	...	45·786	-12·033	- 4	m	...	*	56·417	-16·273	- 5	...	...
...	34·687	+17·131	- 3	...	...	*	45·900	+10·535	1·00	43· 875	10·0	...	56·530	-10·202	- 5	e	...
...	34·925	-57·249	- 5	...	...	...	45·924	-49·260	- 5	m	...	...	56·767	-50·142	- 3	...	...
†	34·978	- 3·231	- 2	...	...	...	45·978	-12·505	0·90	44· 904	10·2	...	56·773	+3·727	- 5	...	...
...	+35·142	-52·690	- 5	...	...	...	+46·126	- 8·570	- 5	m	...	...	+56·886	+20·371	- 5	...	...
...	35·170	+39·139	- 4	...	...	...	46·251	-23·084	- 5	m	...	...	56·980	-20·838	- 5	...	...
...	35·206	-25·515	- 5	m	...	...	46·450	-30·385	0·90	43· 876	10·2	*	57·361	-12·009	1·20	43· 887	9·4
*	36·257	-35·124	1·00	44· 893	10·0	...	46·652	-38·215	- 4	...	...	...	57·390	+41·651	0·65	...	...
...	36·377	-35·765	- 4	...	...	...	46·725	+49·890	0·65	43· 877	10·2	...	57·480	+49·277	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
721-730																	
721																	
†	+57·499	+60·029	- 4	42.	934	10·2											
...	57·808	+13·501	0·85	43.	888	10·2											
...	58·257	+20·022	- 5	...	...	...								
...	58·671	-48·815	- 5	...	...	...								
...	58·879	-16·747	- 2	...	...	...								
...	+59·331	-39·386	- 5	...	...	...								
...	59·365	-36·329	- 5	...	...	...								
...	59·436	+20·607	- 3	...	...	...								
+	59·658	+10·255	1·10	43.	889	9·4											
†	59·884	-37·809	- 5	...	...	...								

1-40						41-80						81-120								
I						41						81								
...	-59·331	-10·223	- 4	E	...	...	-53·559	+ 2·885	- 4	...	...	...	-48·041	+50·126	- 4	...	...	
...	59·062	-54·052	- 5	...	...	...	53·198	- 5·728	- 4	...	...	...	...	47·839	+23·814	- 5	M	...
...	59·041	+ 4·342	- 5	...	...	...	53·177	- 7·401	0·80	44.	914	10·2	†	47·834	+40·028	- 5	...	...
*	58·866	-41·845	1·05	44.	906	9·6	...	53·115	-18·991	- 5	M	...	...	47·755	-48·660	- 4	...	...
...	58·291	+32·179	- 3	...	...	...	...	52·990	+ 8·642	- 2	...	...	...	47·731	+10·737	- 5	M	...
...	-58·200	+51·301	- 2	43.	881	10·2	...	-52·870	-14·395	- 3	...	...	...	-47·616	+ 1·077	- 4	M	...
...	58·089	-39·030	- 5	...	...	...	...	52·777	-22·134	- 5	M	...	...	47·458	-36·143	- 5	...	...
*	57·910	-37·137	1·00	44.	907	10·0	...	52·687	- 2·797	- 2	...	...	...	47·423	-39·203	- 3	...	...
...	57·600	+ 6·266	0·85	...	...	...	...	52·409	- 1·434	- 1	...	...	...	47·206	+33·051	0·65	...	...
...	57·542	+24·215	- 4	...	...	*	...	52·379	-31·913	1·60	44.	915	8·6	...	+33·370	- 3	...	...
II						51						91								
...	-57·157	+ 8·842	0·90	-52·066	-40·396	- 3	*	-46·891	-17·276	1·90	44.	917	8·2	
...	57·111	+11·525	- 4	...	...	...	...	51·790	+41·737	0·85	...	...	...	46·875	-19·948	- 5	...	...
...	56·894	+ 1·936	- 4	...	...	...	...	51·738	-22·260	- 5	M	...	...	46·871	-37·617	- 2	...	...
...	56·813	+57·762	- 2	43.	883	10·2	...	51·682	-27·406	- 2	...	...	...	46·773	+53·111	- 5	...	...
...	56·742	+40·428	0·90	43.	884	10·0	...	51·660	+20·454	- 4	...	...	...	46·718	-15·326	- 5	M	...
...	-56·411	+10·862	- 5	...	...	...	...	-51·526	+ 2·655	- 5	M	...	...	-46·494	- 8·051	- 5	M	...
*	56·411	+ 1·421	1·15	43.	882	9·4	...	51·224	- 8·471	- 4	M	...	...	46·460	-23·259	- 3	...	...
...	56·267	+ 9·553	- 4	...	...	...	...	51·089	-10·122	- 5	E	...	...	46·356	+19·122	- 5	M	...
...	56·232	+12·872	- 3	...	...	...	...	51·003	-16·194	- 5	...	...	...	45·404	+52·435	- 4	B	...
...	56·176	+22·310	- 5	M	...	*	...	50·916	+12·096	1·25	43.	887	9·4	†	44·964	+37·759	0·90	43.	890	10·2
21						61						101								
...	-56·135	-10·524	- 5	M	...	...	...	-50·537	+ 6·472	- 5	M	...	...	-44·345	-26·621	- 5	M	...
*	56·076	-10·865	1·00	44.	909	10·2	*	50·528	+13·606	1·05	43.	888	10·2	...	44·251	-52·992	- 4	
*	56·032	-37·934	1·00	44.	908	10·2	*	50·455	-44·066	1·70	44.	916	8·8	...	44·082	+15·437	- 3	
...	55·896	+46·863	- 5	...	...	...	...	50·400	- 8·917	- 5	M	...	...	43·866	-58·814	- 5	...	...
...	55·270	+14·472	- 5	...	...	...	...	50·399	+ 5·970	- 5	M	...	...	43·864	- 4·359	- 1	...	...
...	-55·264	-10·353	- 2	...	...	...	...	-50·301	+20·147	- 5	...	...	...	-43·826	-25·713	- 3	...	...
*	55·124	-17·190	1·00	44.	912	10·2	...	50·298	-20·747	- 4	43·752	+34·598	0·85	43.	891	10·2	
...	55·072	+33·135	- 4	...	...	...	...	49·715	+ 9·043	- 5	M	...	...	43·494	-58·185	- 5	...	...
*	54·992	-29·343	1·05	44.	911	9·5	...	49·623	-50·037	- 2	...	...	...	42·894	+19·065	- 4	...	...
...	54·772	+14·116	0·70	...	...	...	...	49·501	+49·607	- 5	...	...	...	42·657	+50·108	- 2	...	...
31						71						111								
...	-54·719	+ 6·531	- 5	M	-49·361	- 9·694	- 5	M	...	*	-42·606	-27·021	1·10	44.	918	9·9	
†	54·713	-58·542	1·55	44.	910	8·8	...	49·134	+20·761	0·75	...	...	...	42·558	-34·605	0·70	...	...
...	54·446	+11·241	- 4	...	...	...	...	49·083	+30·446	- 5	...	...	...	42·547	+42·539	- 5	M	...
...	54·010	+ 8·197	- 3	48·931	-49·143	- 3	42·500	+10·089	0·75	43.	892	10·2	
...	54·007	+46·051	0·65	43.	885	10·2	*	48·578	+10·415	1·20	43.	889	9·4	†	42·480	-37·214	1·00	44.	919	10·2
...	-53·812	+24·732	0·75	-48·532	-16·596	0·85	-42·464	+52·940	- 4	
...	53·759	+23·502	- 5	48·387	+ 6·756	- 4	42·393	+ 0·719	- 5	M	...	
...	53·714	+27·346	- 5	M	48·355	+58·503	- 5	42·277	-33·773	1·70	44.	920	8·4
*	53·678	-28·764	1·20	44.	913	9·5	...	48·294	+22·098	0·70	42·249	-28·846	- 2	
...	53·634	+46·740	- 3	43.	886	10·2	...	48·221	+ 3·857	- 4	M	42·223	+28·954	0·85	43.	893	10·2

SB measured from 1, 68, 145, 274, 359, 450, 544, 620, 688, 771, 846, 951.
 S " " " 30, 100, 187, 326, 406, 506, 590, 651, 727, 811, 912.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
121-180						181 240						241 300					
121	-42·151	+21·641	-4	...	...	181	-35·725	-3·007	-5	...	...	241	-27·566	+40·235	-5	...	...
...	42·092	+39·828	-5	...	...	...	35·720	-47·971	-4	...	...	...	27·480	-11·487	-4	M	...
...	42·091	-15·343	-5	A	...	...	35·519	-39·861	-5	M	...	...	27·383	+51·624	-2	...	...
...	42·071	-21·399	-5	M	...	...	35·239	-59·010	-3	...	...	...	27·338	-17·347	-4	...	...
...	42·006	-27·831	0·65	...	...	...	35·231	+37·619	-5	M	...	...	27·298	-32·013	-5	...	...
†	-41·960	+55·010	-3	...	...	†	-34·996	-49·676	-4	...	...	...	-27·177	-13·799	0·70	...	...
...	41·793	-19·391	-5	M	...	†	34·875	-21·805	-4	...	...	...	27·072	-16·049	0·65	...	...
...	41·572	+9·340	0·85	...	...	...	34·711	+40·125	-3	...	...	...	27·002	-12·332	0·65	...	...
...	41·514	-0·515	-5	M	...	...	34·643	+2·593	-4	...	...	...	26·997	-53·500	-2	...	...
†	41·451	+29·959	-5	...	...	...	34·627	-28·418	-5	M	...	...	26·911	-25·014	-4	M	...
131	-41·337	-16·070	-4	M	...	191	-34·396	+13·518	-1	...	...	251	-26·868	-6·376	-5	M	...
...	41·176	-0·098	-1	x	...	...	34·391	+33·330	-4	...	...	...	26·581	-34·849	-3	...	...
...	41·140	-10·078	-4	M	...	...	33·962	-40·487	-5	M	...	...	26·577	-56·602	-3	...	...
...	40·955	-6·646	-5	M	...	...	33·840	+14·780	-5	M	...	...	26·519	-27·658	1·10	44· 929	10·0
...	40·846	-26·946	-3	...	...	...	33·704	-12·597	-4	...	...	†	26·181	+5·141	-4	M	...
...	-40·650	+34·436	-4	...	...	*	-33·570	+6·261	1·00	43· 898	10·2	...	-26·052	-37·581	-2	...	...
...	40·648	-43·288	-5	...	...	...	33·486	+22·016	-5	M	...	...	26·007	-15·676	0·80	...	...
...	40·602	-20·428	-1	...	...	*	33·340	+40·567	1·20	43· 899	9·5	...	25·967	+9·918	-2	...	...
...	40·489	-51·244	-5	...	...	...	33·167	-20·177	-4	...	...	...	25·935	-40·934	-4	...	...
...	40·472	+19·747	-2	...	...	*	33·037	+29·662	1·05	43· 900	10·0	...	25·884	+29·286	-5	M	...
141	-40·360	+46·447	0·75	...	...	201	-32·770	-8·129	-2	...	...	261	-25·758	-45·242	-4	...	...
...	40·265	-3·344	-5	M	...	...	32·578	-31·894	-5	M	...	...	25·755	-18·685	-5	M	...
*	40·241	-6·539	1·05	44· 921	10·0	*	32·218	-46·457	1·35	44· 925	9·2	...	25·698	-27·759	-5	M	...
...	40·170	+3·884	-3	...	...	...	32·040	+38·562	-5	M	...	...	25·694	-56·057	-4	...	...
...	39·960	+57·198	-4	...	...	*	32·027	-14·328	1·25	44· 926	9·1	...	25·686	+4·396	-4	M	...
*	-39·772	+32·378	1·05	43· 894	10·0	...	-31·798	-40·213	0·90	...	...	...	-25·487	-50·515	-4	...	...
...	39·715	+14·172	-3	...	...	...	31·653	+23·183	-5	M	...	†	25·451	+15·105	1·10	43· 901	9·8
...	39·407	-30·946	0·70	...	...	...	31·101	-7·641	-3	...	...	*	25·403	-49·286	1·25	44· 930	9·6
...	39·289	-5·583	-1	A	...	...	30·987	-22·647	-4	...	...	...	25·313	-29·134	-5	M	...
...	39·158	-54·395	0·85	44· 922	10·2	*	30·872	+18·837	1·00	...	...	...	25·216	+9·248	-4	M	...
151	-38·855	+34·095	0·75	...	...	211	-30·827	-45·596	-5	M	...	271	-25·166	-52·879	-4	...	...
...	38·746	+37·148	-5	M	...	...	30·777	-17·404	-4	M	...	...	25·137	-24·738	-4	...	...
...	38·560	-9·549	0·80	...	...	...	30·642	+43·988	-5	...	...	†	25·092	+21·363	-5	...	...
...	38·514	-7·512	-4	M	...	...	30·449	+10·373	0·75	...	...	±	24·885	-18·819	-5	M	...
...	38·450	-26·841	0·75	...	...	...	30·398	+16·686	-2	...	...	...	24·670	+48·718	-5	M	...
...	-38·384	+12·321	0·90	...	...	...	-30·383	-48·850	-5	...	...	...	-24·604	-8·654	-5	M	...
...	38·365	+1·403	-3	...	...	...	30·321	+42·016	-5	M	...	...	24·486	-35·721	0·90	...	...
*	38·247	+49·662	1·00	43· 895	10·2	...	30·188	+40·734	-3	...	...	*	24·456	-16·574	1·00	44· 931	10·2
...	38·238	+13·140	-5	M	...	...	29·708	-24·584	-5	...	...	...	24·382	-56·975	0·75	...	...
...	37·898	-10·859	-2	...	...	...	29·694	+3·412	-1	...	...	...	24·316	-5·332	-4	M	...
161	-37·702	+0·194	-5	M	...	221	-29·610	+49·434	-5	...	...	281	-24·096	-18·935	-5	M	...
...	37·600	+36·440	-5	M	...	...	29·599	+33·835	-5	...	...	...	24·034	-48·393	-5	M	...
S*	37·537	+8·718	1·23	43· 896	8·8	...	29·304	+3·193	-1	...	...	*	23·966	-33·661	1·15	43· 902	9·5
...	37·530	-25·090	0·75	...	...	...	29·101	+57·437	-5	...	...	†	23·796	+25·065	1·00	43· 903	10·0
...	37·409	-17·116	-4	...	...	...	28·989	-36·432	0·70	...	...	±	23·692	-57·474	0·85	...	...
*	-37·335	-30·598	1·45	44· 923	8·8	*	-28·932	-24·420	1·10	44· 927	9·8	...	-23·638	+9·337	-5	M	...
...	37·319	-54·093	-1	...	...	...	28·890	-27·631	-4	...	...	...	23·609	+34·524	-3	...	...
...	37·241	+30·269	-5	M	...	...	28·839	+28·269	-5	M	...	±	23·541	+30·030	-5	...	...
*	37·085	-10·677	1·20	44· 924	9·4	...	28·550	-1·056	-5	M	...	...	23·411	-7·483	-3	...	...
...	36·664	-49·013	-1	...	...	...	28·282	-31·568	-5	M	...	...	23·157	-21·935	-2	...	...
171	-36·638	-20·346	-3	...	...	231	-28·276	-13·710	-4	...	...	291	-22·936	+1·502	-3	A	...
...	36·568	-31·578	-4	...	...	...	28·265	-12·749	-4	...	...	...	22·933	-39·068	-5	...	...
...	36·387	+0·295	-4	M	...	...	28·207	+0·447	-5	...	...	*	22·671	+0·661	1·00	43· 904	10·2
...	36·355	-23·579	-5	...	...	...	28·076	-3·489	-1	...	...	...	22·507	-21·470	-3	M	...
...	36·280	+57·286	-4	...	...	...	28·065	-4·777	-5	M	...	...	22·475	+35·513	-5	...	...
...	-36·275	-40·593	-4	...	...	...	-28·064	+41·281	-5	M	...	±	-22·372	-54·702	-5	M	...
...	36·244	+51·628	-4	...	...	...	28·058	-16·240	-5	M	...	...	22·205	-37·677	0·85	...	...
...	36·039	+8·081	-4	M	...	*	27·923	-34·417	1·10	44· 928	10·0	...	22·165	-16·746	-3	...	...
...	36·016	+43·286	-3	...	...	...	27·759	-18·332	-5	M	...	...	22·111	+39·099	-3	...	...
...	35·865	+24·328	0·85	43· 897	10·2	...	27·643	-51·678	-5	...	...	...	22·056	-45·640	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-360						361-420						421-480					
30I	-21·966	+13·859	1·15	43·905	9·9	36I	-14·544	-3·725	-2	...	...	42I	-8·279	-44·259	1·05	44·946	10·0
*	21·862	-2·932	0·65	...	...	*	14·488	-27·777	1·00	44·939	10·2	...	7·857	+45·797	-3	...	...
...	21·788	-1·281	-3	...	...	...	14·472	+0·026	0·65	...	...	...	7·733	+30·863	-3	...	...
...	21·693	-56·413	-3	...	...	...	14·392	+13·542	-5	...	...	...	7·523	+21·100	-4	...	...
*	21·684	+26·430	1·00	43·906	10·2	...	14·363	-46·209	-4	...	...	...	7·339	+15·265	-5	M	...
...	-21·643	+39·610	-3	...	...	...	-14·188	-14·510	-5	M	...	...	-7·328	-48·982	-5	M	...
*	21·476	+38·193	1·10	43·907	9·8	...	13·986	+41·215	-4	...	...	...	7·230	+13·704	0·80	...	...
...	21·417	+53·504	-3	...	...	...	13·829	+2·991	-5	M	...	...	7·030	+1·562	-5	M	...
...	21·341	-26·205	-3	...	...	...	13·794	-33·150	-1	...	...	...	7·016	+13·163	-5	M	...
...	21·338	+11·672	-2	...	...	...	13·375	+50·150	-5	M	...	...	7·000	-34·142	-5	...	...
31I	-21·258	+27·646	-5	M	...	37I	-13·266	+1·077	-2	...	...	43I	-6·933	+56·308	1·15	43·915	10·2
...	21·205	+48·213	-4	...	...	...	13·221	-9·184	-5	M	...	...	6·923	-19·670	-3	A	...
...	21·176	-33·239	-5	M	...	*	13·165	+14·578	1·15	43·911	9·6	...	6·820	+0·021	-4	M	...
*	21·071	+9·644	1·10	43·908	10·0	*	13·044	-57·479	1·10	44·941	10·2	...	6·703	+3·449	-5	M	...
†	21·016	-59·598	-5	...	...	...	13·003	+19·684	0·65	...	...	...	6·571	-59·557	0·80	44·947	10·2
*	-20·959	+21·159	2·55	43·909	7·4	*	-12·869	-14·483	1·20	44·940	9·2	*	-6·539	-48·673	1·20	44·948	9·8
...	20·741	-30·259	-3	...	...	...	12·780	-1·259	-5	M	...	...	6·414	+28·254	0·80	43·916	10·2
...	20·723	+14·073	-5	M	...	...	12·748	+54·409	-5	M	...	...	6·361	+32·264	-5	M	...
...	20·693	+14·024	-2	...	...	...	12·747	-4·295	0·75	...	...	...	6·201	-58·112	-5	m	...
...	20·649	+27·214	-3	...	...	...	12·746	+3·723	-4	M	...	...	6·151	+27·849	-5	M	...
32I	-20·547	+23·210	-3	...	...	38I	-12·661	+31·003	-5	M	...	44I	-6·076	+4·844	-3	...	...
*	20·545	-17·471	1·25	44·932	9·4	...	12·506	-31·231	-5	M	...	...	6·061	-4·368	-5	M m	...
...	20·527	-35·557	0·75	...	...	*	12·346	+32·393	1·00	43·912	10·2	*	5·867	-55·345	1·20	44·949	9·6
...	20·416	+24·140	-3	...	...	...	12·257	-9·383	-5	M	...	...	5·792	-55·083	-5	m	...
...	20·416	+23·101	-4	M	...	...	12·192	-51·032	-3	...	...	...	5·743	+55·733	-3	...	...
...	-19·929	+10·789	-4	...	...	...	-12·181	+57·080	-5	M	...	...	-5·696	+14·450	-4	...	...
...	19·854	-2·174	-3	B	...	...	12·036	+20·373	-4	M	...	...	5·337	+25·826	-4	...	...
...	19·835	-2·087	-5	M	...	...	11·997	+49·821	-3	...	...	†	5·111	-19·771	0·65	...	...
...	19·796	-50·957	-4	...	...	...	11·904	+32·782	-2	...	...	†	5·107	+21·542	-3	...	...
...	19·696	+40·105	-5	...	...	...	11·743	+1·568	-5	M	...	...	4·961	+26·081	-4	...	...
33I	-19·688	-30·501	1·00	44·933	10·2	39I	-11·551	-39·622	-4	M	...	45I	-4·948	-27·256	1·05	44·950	9·8
*	19·426	-10·006	-5	M	...	*	11·522	-41·853	1·00	44·942	10·2	†	4·815	+25·610	-5	M	...
*	19·200	-47·697	1·10	44·934	9·9	*	11·491	-25·137	1·00	44·943	10·2	...	4·772	+19·898	-5	M m	...
...	19·169	+29·404	-4	M	...	...	11·446	+33·225	-2	...	...	*	4·699	-10·368	1·00	44·951	9·9
...	19·034	-51·403	-3	A	...	*	11·296	-21·102	1·10	44·944	9·9	...	4·543	-47·485	-5	M m	...
...	-19·007	-24·445	-4	...	...	...	-11·172	-4·063	0·80	...	...	...	-4·350	+8·232	-4	M m	...
*	18·963	-22·897	1·15	44·935	9·6	...	11·094	-13·276	-3	...	...	...	4·299	-57·085	-5	M m	...
...	18·882	+33·517	-2	...	...	...	10·974	-27·343	-4	M	...	...	4·130	+23·761	-5	M m	...
...	18·860	+41·913	-5	M	...	...	10·950	+29·754	-5	M	...	...	4·101	+32·912	-5	M m	...
*	18·660	+14·376	1·00	43·910	10·2	...	10·935	+28·390	-1	...	...	...	4·044	-9·927	-3	M m	...
34I	-18·157	+37·131	-5	...	...	40I	-10·898	-22·241	-4	M	...	46I	-3·943	-8·725	2·80	44·952	7·3
...	18·057	-15·599	-3	B	...	...	10·785	+13·233	-1	...	...	...	3·629	-12·841	-5	M m	...
...	17·986	-8·495	-5	M	...	...	10·547	-10·617	-5	M	...	...	3·622	+21·616	-4	M m	...
...	17·697	-39·447	-5	M	...	...	10·218	-39·144	0·85	...	...	...	3·502	-59·008	-5	m	...
...	17·411	-45·283	-5	M	...	...	10·169	+1·859	-5	M	...	...	3·486	+37·032	-3	...	...
...	-17·369	+17·433	-4	...	...	†	-9·965	-10·150	-5	M	...	...	-3·245	+2·245	-3	B m	...
...	17·160	+38·063	-5	M	...	...	9·799	+5·188	-4	M	...	...	3·149	-3·500	0·65	m	...
...	16·804	-19·513	-1	...	...	...	9·745	-45·845	-5	...	...	...	3·102	-41·820	0·80	...	...
...	16·408	+54·045	-4	...	...	...	9·717	-3·669	-4	M	...	...	3·034	-12·672	-5	M m	...
...	16·248	-11·970	-5	M	...	...	9·712	+10·742	-1	...	...	*	3·033	+23·277	1·10	43·917	9·5
35I	-16·168	+4·319	0·75	...	...	41I	-9·538	-30·563	1·05	44·945	9·8	47I	-2·991	+48·945	-4	...	...
*	16·086	-5·521	1·05	44·936	10·2	...	9·458	-43·053	-5	M	...	...	-2·954	-17·186	-5	M m	...
S*	16·049	-48·430	1·40	44·937	8·4	...	9·049	+12·570	-5	M	...	...	-2·867	+0·226	-4	M m	...
...	15·763	-38·604	-5	M	...	...	8·986	+11·921	-5	M	...	...	-2·801	+11·952	-5	M m	...
...	15·624	+37·852	-5	...	...	...	8·812	+53·838	0·75	43·913	10·2	...	-2·776	+51·467	-3	...	...
...	-15·476	-17·599	-3	...	...	...	-8·796	-17·216	-4	M	...	...	-2·681	-4·168	-2	B m	...
*	15·441	-36·059	1·10	44·938	10·0	...	8·780	+5·061	-3	...	...	*	-2·585	-40·758	1·00	44·953	10·2
...	15·286	-40·887	-5	M	...	...	8·681	-0·179	-1	...	...	...	-2·508	+12·451	-5	M m	...
...	14·988	+36·353	-4	...	...	...	8·483	-20·591	-2	...	...	...	-2·384	+35·579	0·85	...	...
...	14·763	+19·381	-1	...	...	*	8·426	+33·206	1·40	43·914	8·8	*	-2·236	+50·460	1·00	43·918	10·2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
481-540						541-600						601-660						
481	- 2'234	- 2'798	- 5	M m	...	541	+ 4'760	- 39'987	- 5	M m	...	601	+ 11'131	+ 10'192	1'05	43. 932	9'9	
...	2'232	+ 4'873	- 3	B m	...	...	4'890	- 41'136	0'70	...	...	...	11'173	- 40'159	0'80	...	...
...	2'033	+ 53'322	- 5	M m	...	...	4'890	- 50'747	0'85	...	...	...	11'233	+ 15'538	- 5	m	...
...	1'833	+ 21'265	- 5	M m	...	...	4'970	+ 15'415	- 5	M m	...	...	11'492	- 41'777	- 5	m	...
...	1'611	+ 30'345	- 5	M m	...	...	5'195	- 42'437	0'75	...	...	...	11'715	- 3'312	- 3	m	...
...	- 1'560	- 25'406	- 5	M m	...	...	+ 5'488	- 26'259	1'00	44. 958	10'2	...	+ 11'742	- 6'422	- 5	m	...
...	1'429	- 50'909	- 3	m	...	...	5'829	- 57'272	- 5	M m	...	...	11'934	- 1'136	- 5	m	...
...	1'307	- 11'368	- 3	A m	...	...	5'850	- 59'136	1'20	44. 959	8'8	...	* 12'040	- 16'125	1'00	44. 964	9'9
...	1'281	+ 30'521	- 4	M m	6'134	- 24'133	- 5	M m	12'744	+ 49'401	- 1
...	* 1'278	- 28'408	1'20	44. 954	9'2	S*	6'360	+ 47'125	1'50	43. 926	8'6	...	* 12'868	- 57'981	1'10	44. 965	9'9	
491	- 1'014	+ 29'961	1'48	43. 919	8'8	551	+ 6'607	+ 9'808	- 5	m	...	611	+ 13'042	- 55'224	- 2	...	...
S*	0'902	+ 33'115	- 5	M m	...	...	6'648	+ 44'621	- 4	...	...	...	13'099	- 29'485	- 1	...	...
...	* 0'882	+ 26'719	1'20	43. 920	9'4	...	6'694	- 15'044	- 3	a	...	...	13'367	+ 54'311	0'70	...	...
...	0'863	- 30'301	- 5	M m	...	...	6'760	- 59'136	- 5	M m	...	...	* 13'406	- 5'808	1'00	44. 966	10'2
...	0'766	+ 33'100	- 3	m	...	...	6'981	- 25'686	0'90	44. 960	10'2	...	13'618	+ 24'040	0'75	...	...
...	- 0'731	+ 3'847	- 3	m	...	...	+ 7'035	+ 52'725	- 2	...	...	...	+ 13'686	+ 17'898	- 5	m	...
...	0'713	- 50'640	- 4	M m	...	...	7'045	- 49'185	- 5	m	...	...	* 14'227	- 38'296	1'20	44. 967	9'6
...	0'683	+ 18'687	- 2	m	...	...	7'111	- 0'832	- 3	m	...	...	14'334	+ 18'756	- 1	...	...
...	0'681	+ 30'448	0'70	...	...	...	7'223	- 50'801	- 4	m	...	...	14'434	+ 15'518	- 5	m	...
...	S † 0'553	- 14'860	1'40	44. 955	8'4	...	7'300	+ 51'318	- 2	...	...	...	15'046	+ 23'464	- 5	m	...
501	- 0'505	- 2'492	- 3	M m	...	561	+ 7'301	+ 54'101	- 4	...	...	621	* 15'332	- 58'807	1'00	44. 968	10'2
...	0'464	- 15'991	- 5	M m	...	...	7'316	+ 26'762	- 5	m	...	...	15'571	+ 26'277	- 5	m	...
...	0'346	+ 45'429	- 5	M m	...	...	7'325	- 12'105	- 5	m	...	...	15'617	- 42'490	0'65	...	...
...	0'197	- 31'785	- 3	m	...	...	7'359	- 16'439	- 2	a	...	...	15'830	+ 40'392	- 4	m	...
...	0'189	- 31'899	- 5	M m	...	...	7'764	+ 1'517	- 5	m	...	...	15'830	+ 17'755	0'70	...	...
...	* 0'002	+ 27'460	1'00	43. 921	10'0	...	* 7'792	+ 46'900	1'10	43. 927	9'6	...	+ 15'869	+ 21'478	- 5	m	...	
...	+ 0'112	+ 6'794	- 4	M m	...	...	7'858	+ 55'191	- 5	m	...	...	16'146	+ 57'804	- 3	...	...
...	0'146	- 1'155	- 5	M m	...	...	7'858	- 52'562	- 4	m	...	...	16'283	+ 9'868	0'65	...	...
...	0'193	- 34'345	- 5	M m	...	...	7'881	+ 5'004	- 2	...	...	...	16'327	- 34'540	- 3	...	...
...	0'250	- 27'634	- 5	M m	...	...	7'918	+ 44'985	- 5	...	...	...	16'636	- 13'540	- 5	m	...
511	+ 0'480	- 23'154	- 5	M m	...	571	+ 7'941	- 12'058	- 2	b	...	631	+ 16'794	- 41'279	- 3	a	...	
...	0'571	+ 7'199	0'75	...	...	...	7'995	- 6'785	- 5	m	...	...	17'268	- 51'090	- 3	...	...
...	0'638	- 27'049	- 5	M m	...	...	8'118	- 46'745	0'75	...	...	...	17'413	+ 33'489	- 5	m	...
...	1'198	- 12'521	- 3	M a	...	...	8'165	+ 28'351	- 4	...	...	...	17'772	- 32'486	- 1	...	...
...	1'305	- 2'641	0'85	...	...	...	8'173	- 12'388	0'90	...	...	...	17'821	+ 24'480	- 5	m	...
...	+ 1'478	- 26'352	- 5	M m	...	S*	+ 8'225	+ 13'009	1'58	43. 928	8'4	...	+ 17'911	- 37'818	- 1	...	...
...	* 1'621	- 29'477	1'00	44. 956	10'2	...	8'259	- 32'346	- 3	a	...	...	17'947	- 13'688	- 5	m	...
...	† 1'649	+ 0'199	- 3	F m	...	...	8'403	+ 23'007	1'00	43. 929	10'2	...	* 18'007	+ 38'983	1'15	43. 933	9'6
...	1'791	- 55'367	- 5	M m	...	...	8'518	- 24'468	- 1	a	...	...	18'046	- 31'381	- 4	m	...
...	1'801	+ 42'550	- 3	...	...	...	8'704	- 47'380	1'05	44. 961	10'0	...	18'064	+ 34'199	- 5	m	...
521	+ 1'852	- 59'232	- 5	M m	...	581	+ 8'747	+ 21'171	- 3	...	...	641	+ 18'149	- 46'991	- 3	m	...
...	* 1'910	+ 4'658	1'00	43. 922	10'2	...	8'753	+ 46'031	1'00	43. 930	9'9	...	† 18'259	+ 25'080	0'70	...	...
...	1'939	+ 51'146	0'80	...	...	...	8'827	- 3'009	0'70	a	...	...	18'740	+ 57'314	- 4	...	...
...	2'163	- 12'647	- 5	M m	...	...	8'928	- 42'988	- 5	m	...	...	* 18'881	- 49'260	1'10	44. 969	9'8
...	2'241	+ 18'495	- 5	M m	...	...	9'141	+ 53'162	- 5	...	...	...	18'948	- 15'160	- 5	m	...
...	* 2'448	- 26'861	1'00	44. 957	10'2	...	+ 9'347	+ 39'433	- 4	m	...	...	+ 19'156	+ 46'521	0'90	...	...
...	2'914	- 45'189	- 5	M m	...	...	9'529	+ 1'419	- 2	...	...	...	19'208	- 52'960	- 5	m	...
...	2'961	- 41'345	- 5	M m	...	...	9'529	- 49'330	- 5	m	...	...	19'319	- 1'070	- 3	a	...
...	3'004	+ 16'390	- 5	M m	...	...	† 9'895	+ 0'640	- 1	a	...	...	* 19'570	- 25'544	1'00	44. 970	10'2
...	3'057	+ 38'628	- 4	...	...	...	10'012	+ 44'913	0'80	...	...	...	19'778	- 34'378	0'65	...	...
531	+ 3'196	+ 43'921	0'85	43. 923	10'2	591	+ 10'049	+ 20'343	- 2	...	...	651	* 20'063	+ 9'188	1'20	43. 934	9'6
...	3'199	+ 11'132	0'90	43. 924	10'2	...	10'296	+ 15'879	- 4	m	...	...	20'164	+ 15'496	- 5	m	...
...	3'213	+ 9'487	0'75	...	...	...	10'304	+ 37'935	- 2	...	...	...	20'443	- 20'940	- 2	a	...
...	3'386	- 43'174	- 5	M m	...	...	10'349	+ 14'298	- 4	m	...	...	20'640	+ 47'400	- 3	...	...
...	3'444	+ 12'383	- 2	...	...	...	10'479	+ 44'887	1'05	43. 931	10'0	...	20'675	- 29'245	- 5	m	...
...	+ 3'495	- 8'540	- 5	M m	...	...	+ 10'669	- 15'437	1'35	44. 962	9'4	...	* 20'810	- 40'784	1'10	44. 971	10'2
...	3'902	+ 43'937	- 5	m	...	...	10'710	- 31'967	- 5	m	...	...	21'259	- 40'240	- 2	...	...
...	* 4'175	+ 7'073	1'10	43. 925	10'0	...	10'854	- 3'906	- 2	a	...	...	21'290	- 53'168	- 4	...	...
...	4'503	+ 18'465	- 2	...	...	...	† 10'909	+ 40'101	- 5	m	...	...	21'771	- 32'378	- 2	a	...
...	4'575	+ 26'264	- 2	...	...	...	* 11'028	- 4'587	1'00	44. 963	10'2	...	21'777	- 26'390	- 4	m	...

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
661-720						721-780						781-840								
661	+21.821	-18.658	-3	a	...	...	721	+28.828	-15.816	1.00	44. 979	10.2	781	+35.938	-23.477	1.25	44. 985	9.2
...	21.865	-59.339	-5	m	...	...	...	28.966	-17.766	0.85	...	...	...	36.017	-57.764	-5	m	...
...	21.929	+5.490	-1	...	...	...	...	29.024	-35.419	-2	...	...	...	36.229	-39.270	0.70	...	...
...	22.074	-45.425	-5	m	...	...	...	29.084	+22.582	1.00	43. 939	10.2	...	36.405	-18.623	-5	m	...
...	22.169	+29.227	-2	...	...	...	...	29.529	+39.736	-5	m	...	...	36.522	-7.616	-5	m	...
...	+22.199	-54.483	-3	...	...	...	...	+20.560	-13.153	-5	m	...	...	+36.569	-4.590	-4	m	...
...	22.362	+4.119	-5	m	...	...	...	29.852	+47.094	-4	...	...	...	36.601	-12.330	-4	m	...
...	22.421	-52.662	0.90	44. 972	10.2	...	...	30.115	-23.948	-5	m	...	...	36.670	+35.662	-3	...	...
...	22.598	-18.971	0.75	...	...	...	...	30.144	-1.731	-5	m	...	...	36.791	-51.453	-3	...	...
...	22.720	+51.901	-5	m	...	...	...	30.153	+56.230	-5	...	...	...	* 36.979	-22.476	1.00	44. 986	10.2
671	+22.759	-11.422	-5	m	...	...	731	+30.327	-19.921	1.00	44. 981	10.0	791	+36.989	-47.104	-4	m	...
...	22.782	+2.662	-3	...	...	...	...	30.388	-48.674	-4	...	...	...	37.194	-20.060	0.75	...	...
...	22.873	+30.023	-5	m	...	...	...	30.399	-7.939	-5	m	...	...	* 37.318	-27.578	1.60	44. 987	8.2
...	22.897	-44.785	-5	m	30.412	+44.200	-5	m	37.460	-28.381	-3	
...	22.979	+25.004	-5	m	30.422	-43.566	-2	37.530	+19.972	0.80	
...	+23.054	-21.126	-3	+30.519	-34.371	-4	m	+37.703	-5.684	-5	m	...	
...	23.066	+33.993	-4	...	...	...	...	30.770	-37.208	0.75	...	...	...	* 37.747	-34.197	1.50	44. 988	8.4
...	23.090	-18.585	-3	30.988	-25.090	-5	m	37.779	-23.125	-5	m	...	
...	* 23.142	+11.698	1.20	43. 935	9.6	31.040	+1.361	-5	m	37.841	+31.483	0.90	
...	23.328	-27.488	-1	* 31.105	-12.737	1.00	44. 982	10.2	37.844	-28.342	-4	m	...	
681	+23.680	-5.928	-4	m	...	...	741	+31.262	+2.442	-1	...	...	801	+37.883	+38.748	-5	m	...
...	* 23.796	+13.637	1.40	43. 936	9.1	...	...	31.300	-24.617	-2	...	...	...	38.112	-3.548	-5	m	...
...	* 23.959	-12.460	1.40	44. 973	8.8	...	...	31.458	+48.449	-4	...	...	...	38.403	+13.941	-3	...	...
...	* 23.974	-52.699	1.30	44. 974	9.5	...	...	31.675	+35.099	-4	...	...	...	* 38.585	-23.151	1.00	44. 989	10.2
...	24.002	-16.130	-5	m	31.696	-12.951	-5	m	38.682	-51.758	-4	
...	+24.588	-11.633	-4	m	* 31.836	-46.038	1.15	44. 983	10.0	+38.782	-51.693	0.85	44. 990	10.0	
...	* 24.697	-15.566	1.05	44. 975	10.0	32.202	+47.178	-5	m	39.051	+15.058	-5	m	...	
...	24.860	+36.373	-4	m	32.308	-5.631	-5	m	39.096	-3.850	-3	a	...	
...	25.067	+8.782	-5	m	32.473	-29.936	-5	m	39.403	+16.477	0.65	
...	25.129	+11.913	-3	a	...	...	...	32.534	+34.380	-4	...	...	...	* 39.530	-18.385	1.10	44. 991	9.5
691	+25.203	-24.710	-4	...	...	...	751	+32.686	+47.798	-5	m	...	811	+40.018	+13.905	-4	m	...
...	25.205	-15.862	0.70	...	...	...	...	32.763	-14.996	-2	...	...	...	40.189	+23.428	0.85	...	...
...	25.223	-16.679	-5	m	...	...	...	32.813	-16.692	-2	...	...	...	40.205	-28.746	0.65	...	...
...	25.226	-53.597	0.90	44. 976	10.2	...	...	32.872	+37.197	-2	...	...	...	40.232	-47.721	-4	m	...
...	25.234	+48.575	0.85	...	...	...	...	32.944	-17.843	-5	m	...	...	40.466	+18.058	-5	m	...
...	† 25.276	+15.181	-5	m	...	...	...	+32.959	+1.989	-5	m	...	...	+40.511	+13.414	-4	m	...
...	25.429	-36.068	-2	...	...	...	...	33.000	-4.511	-5	m	...	...	40.569	-45.429	-5	m	...
...	* 25.541	-46.480	1.05	44. 977	10.0	...	...	* 33.004	+58.854	1.10	42. 979	10.0	...	40.619	-34.354	-4	m	...
...	25.630	-47.896	-5	m	...	...	...	33.027	+44.255	-5	m	...	...	40.782	+4.351	-5	m	...
...	25.732	+26.142	-5	m	...	...	...	33.079	-27.602	0.75	...	...	...	* 40.931	+42.419	1.35	43. 941	9.6
701	+25.884	+32.217	1.00	...	...	...	761	+33.617	+31.964	-3	...	...	821	+40.960	+49.147	-4	...	...
...	25.929	-29.157	0.80	...	...	...	...	33.837	-31.094	0.80	...	...	...	41.130	+34.473	-5	...	...
...	26.525	+31.184	-4	m	...	...	...	33.952	+23.730	-5	m	...	...	* 41.479	-43.790	1.00	44. 992	10.2
...	† 26.530	-29.735	-2	...	...	...	...	34.126	+59.919	-3	...	...	...	41.510	-34.884	0.80	...	...
...	* 26.583	-58.131	1.10	44. 978	9.8	...	...	34.176	+21.403	-5	...	...	...	42.159	-3.911	-5	m	...
...	+26.878	-11.834	-4	m	...	...	...	+34.197	-51.404	-4	m	...	...	42.285	-22.939	-5	m	...
...	27.010	+49.222	1.10	43. 937	10.2	...	...	34.250	-11.492	0.80	...	...	...	* 42.326	-1.807	1.10	44. 993	9.9
...	27.048	+45.388	-5	m	...	...	...	34.356	+23.229	-4	...	...	...	42.775	-42.503	-5	m	...
...	27.134	-35.437	-5	m	...	...	...	34.553	-14.418	-5	m	...	...	42.902	-42.528	-4	m	...
...	27.210	-45.138	-3	...	...	...	...	* 34.602	-26.254	1.00	44. 984	10.0	...	* 42.994	-53.127	1.30	44. 994	9.4
711	+27.385	+41.659	-5	m	...	...	771	+34.818	+27.050	-5	...	...	831	+43.041	-52.906	-3	m	...
...	27.415	+43.288	-4	m	...	...	...	34.946	+14.490	-4	m	...	...	43.115	+12.830	-5	m	...
...	* 27.538	+59.695	1.00	42. 974	10.1	...	...	34.969	+58.098	-5	m	...	...	43.279	-46.650	-5	m	...
...	27.681	+7.822	0.90	43. 938	10.2	...	...	35.220	+41.770	1.05	43. 940	10.2	...	* 43.703	-41.834	1.20	44. 995	9.8
...	27.822	+55.972	-4	...	...	...	...	35.430	-15.593	-5	m	...	...	43.741	+14.182	-5	m	...
...	+28.256	-39.158	-5	m	...	...	...	+35.537	-20.671	0.85	...	...	...	+43.805	-13.509	-4	m	...
...	† 28.274	-59.540	1.25	44. 980	8.7	...	...	35.636	-14.671	-5	m	...	...	43.809	-35.397	-5	m	...
...	28.483	-58.730	-3	...	...	...	...	35.703	+12.782	-1	...	...	...	43.921	+59.751	-5	...	...
...	28.589	-41.954	-3	...	...	...	...	35.742	+46.937	-4	...	...	...	44.097	-36.977	0.80	...	...
...	28.603	+26.630	-5	m	...	...	...	35.824	-15.594	-4	m	...	...	44.208	+35.243	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
841-890						891-940						941-985							
841	...	+44.362	+15.052	-5	m	...	891	...	+48.454	+17.531	-5	m	...	941	...	+53.813	+4.331	-3	...
...	...	44.464	-31.291	-5	m	...	...	...	48.599	-56.759	-4	...	...	...	...	53.855	-40.126	-5	m
*	...	44.596	-21.742	1.15	44. 996	10.0	...	...	48.680	-50.798	-5	m	...	*	...	53.856	-5.290	1.00	44.1009
...	...	44.630	+11.892	-5	m	...	...	...	48.708	-29.190	-4	e	...	...	...	53.887	-52.045	-5	e
...	...	44.737	-29.298	-3	...	...	...	...	48.841	-41.319	-3	e	...	...	...	54.106	+4.294	-5	e
...	...	+45.018	+7.708	-5	m	...	...	...	+48.961	-21.904	-5	m	...	...	...	+54.186	-48.694	-5	e
...	...	45.184	-1.671	-5	m	...	...	*	48.983	-45.115	1.05	44.1003	10.0	...	...	54.211	-0.885	-5	e
...	...	45.227	+37.226	-5	m	...	...	...	49.057	+23.526	0.85	...	...	...	...	54.567	+4.211	3	...
...	...	45.266	-26.470	-5	m	...	...	*	49.080	-16.531	1.30	44.1002	9.0	...	...	54.626	-27.486	-5	e
...	...	45.454	-28.141	-2	...	...	...	*	49.114	-38.210	1.15	44.1005	9.8	†	...	54.704	-1.603	-5	m
851	...	+45.617	+25.985	-4	m	...	901	...	+49.158	-44.237	0.85	...	...	951	...	+54.780	-45.764	-4	...
*	...	45.656	-18.994	1.00	44. 997	10.0	...	...	49.200	+30.358	-5	m	...	...	...	54.824	-1.187	-4	e
...	...	45.699	-4.419	-5	m	...	...	*	49.359	-18.426	1.20	44.1004	9.8	†	...	54.880	-52.555	-2	44.1011
...	...	45.758	+37.437	-5	m	...	...	...	49.411	-49.957	-3	...	...	...	...	54.962	+1.436	-4	e
...	...	45.796	-9.486	-5	m	...	...	...	49.447	+31.497	-5	m	...	...	...	55.162	-24.527	-5	m
...	...	+45.802	+9.634	-5	m	...	...	...	+49.482	-33.276	-3	e	...	...	...	+55.311	-6.108	-5	e
...	...	45.839	-14.808	-5	m	...	...	...	49.502	+27.957	-5	m	...	...	...	55.326	+15.812	-3	...
...	...	45.986	+1.966	-4	m	...	...	...	49.613	+18.879	0.65	...	...	...	...	55.335	-29.913	-5	e
...	...	46.229	+0.100	-3	a	...	...	...	49.629	+28.287	-4	e	...	...	...	55.762	-38.886	-2	...
...	...	46.407	+47.309	0.70	...	...	...	...	49.680	-58.013	-5	m	...	*	...	55.896	+21.542	1.10	43. 948
861	...	+46.428	-55.844	-5	m	...	911	†	+49.777	-43.595	-5	m	...	961	...	55.896	-6.037	-5	e
...	...	46.590	-16.768	-4	m	...	...	†	49.785	+0.915	-2	...	...	...	...	55.952	-48.851	-4	...
...	...	46.665	-38.448	-5	m	...	...	...	49.915	+10.765	-3	...	...	...	...	55.959	-16.476	-5	e
...	...	46.714	+15.690	-4	...	...	...	*	50.063	-51.355	1.05	44.1006	10.0	...	...	56.185	-37.764	-4	...
...	...	46.766	-17.647	-5	m	...	...	...	50.320	-35.877	-4	e	...	...	...	56.314	-44.505	-5	...
S*	...	+46.818	+37.804	3.20	43. 942	7.0	...	*	+50.412	+39.733	1.10	43. 945	10.2	*	...	+56.378	-10.366	1.00	44.1012
...	...	46.914	-41.694	-5	m	...	...	...	50.590	-37.129	-3	...	...	...	...	56.559	-16.241	-5	e
*	...	46.931	-21.041	1.15	44. 998	9.6	...	*	50.861	-24.852	2.55	44.1007	7.8	*	...	56.678	-14.541	1.00	43. 949
...	...	46.976	+0.461	-4	m	...	...	...	50.926	+2.220	-5	m	...	...	...	56.688	-14.226	1.00	44.1014
...	...	47.061	+58.315	-5	...	...	...	...	50.956	+27.718	-4	...	...	...	...	56.751	-3.509	-5	e
871	...	+47.359	+27.140	-5	m	...	921	...	+51.263	+10.430	-5	e	...	971	...	+56.805	-27.631	0.90	...
*	...	47.521	+15.929	1.00	43. 943	10.2	...	...	51.367	-50.981	-4	...	...	...	...	57.161	+8.551	-5	e
...	...	47.568	-53.608	-5	m	...	...	...	51.437	+49.463	0.65	...	...	...	...	57.360	+3.665	-5	e
...	...	47.599	-23.705	-4	e	...	...	*	51.473	+53.167	7.00	43. 946	3.8	...	...	57.451	-34.974	-4	...
...	...	47.623	-48.963	0.65	...	...	...	...	51.534	-4.846	-3	...	...	...	...	57.604	+1.517	-1	...
S*	...	+47.734	-53.683	2.45	44.1000	8.0	...	...	+51.534	-8.097	0.70	...	...	...	...	+57.728	-45.052	-2	...
...	...	47.794	-28.268	-4	m	...	...	...	51.564	+5.901	-5	m	...	*	...	57.731	-7.271	1.10	44.1015
...	...	47.831	+59.923	-4	...	...	...	...	51.814	-15.423	-3	e	...	*	...	58.308	+4.809	1.10	43. 951
...	...	47.915	-14.836	1.20	44. 999	9.5	...	...	52.087	+50.343	-5	...	...	*	...	58.396	-14.665	1.15	43. 950
...	...	47.921	-45.315	-3	...	...	...	...	52.291	+55.143	-5	...	...	...	...	58.413	-20.046	0.65	e
881	...	+48.055	+11.107	-5	m	...	931	...	+52.422	-38.891	-5	m	...	981	*	+58.510	-0.849	1.00	43. 952
*	...	48.106	+24.963	1.20	43. 944	9.6	*	...	52.538	+30.355	1.20	43. 947	10.2	...	...	58.640	-17.291	-5	m
...	...	48.155	-49.916	0.65	44.1001	10.2	*	...	53.097	+8.204	1.00	...	...	*	...	59.041	-24.940	1.00	...
...	...	48.167	+31.981	-4	...	...	...	...	53.163	-32.421	-5	e	...	...	...	59.174	+5.383	-5	e
...	...	48.299	-38.406	-5	e	...	...	...	53.198	-11.719	-5	m	...	...	...	59.247	-31.057	-3	...
...	...	+48.314	+21.018	-5	m	...	...	...	+53.291	+53.839	-5	...	...	...	...	...	...	...	...
...	...	48.323	-16.087	-5	m	...	...	...	53.416	-41.742	-5	e	...	...	...	...	...	...	...
...	...	48.327	-49.519	-5	e	...	...	...	53.477	-37.751	-4	...	...	...	...	...	...	...	...
...	...	48.374	+4.311	-5	m	...	...	*	53.657	-8.616	1.25	44.1008	9.5	...	...	...	...	...	...
...	...	48.445	+1.088	-3	e	...	S*	...	53.680	-12.108	1.95	44.1010	8.2	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
1-60						61-120						121-180								
I	...	-59°601	-23'881	-5	E	...	6I	...	-52°671	+21'389	1.25	43. 948	9.6	12I	...	-44°817	+38'899	-5	M	...
...	...	59°581	+23'373	0.90	...	...	...	...	52°451	-52°025	-5	E	...	...	44°732	-27'605	0.90	...	...	...
*	...	59°562	-15°005	1.30	44. 999	9.5	...	...	52°427	-6°140	-5	E	...	n *	44°607	-58°497	1.80	44.1018	7.6	...
...	...	59°525	+0°921	-5	E	...	...	...	52°284	-48°657	-5	E	...	n *	44°458	-58°747	3.20	...	...	...
...	...	59°137	+28°160	-5	E	...	...	...	52°218	+6°092	-5	E	...	...	44°373	+27°937	-5	M	...	...
...	...	-58°878	+18°748	-1	...	...	...	...	...	-52°092	+47°001	-5	...	...	-44°322	-17°397	-4	M	...	...
...	...	58°825	-49°149	-2	...	...	*	...	51°703	+14°627	1.00	43. 949	10.2	...	44°296	-34°926	-3	...	...	...
...	...	58°714	+39°611	0.90	43. 945	10.2	...	...	51°701	-29°855	-5	E	...	*	44°207	-34°891	1.00	44.1019	9.8	...
...	...	58°643	-45°483	-4	...	...	...	...	51°486	-16°412	-5	E	...	...	44°017	+23°611	0.70	...	...	...
S †	...	58°553	-53°856	3.00	44.1000	8.0	...	...	51°450	-52°502	0.90	44.1011	10.2	*	43°935	-46°991	1.00	44.1020	10.2	...
II	...	-58°469	-38°552	-5	E	...	7I	...	-51°241	-10°275	1.00	44.1012	10.0	13I	...	-43°917	-5°324	-4	M	...
*	...	58°347	-16°662	1.25	44.1002	9.0	...	...	51°063	-3°415	-5	E	...	...	43°656	-35°444	-3	B	...	...
...	...	58°338	+10°635	-2	...	...	...	...	51°029	+8°660	-5	E	...	...	43°558	+42°031	-5	...	...	...
...	...	58°332	-29°322	-5	E	...	...	...	50°991	+45°107	-5	...	...	...	43°536	-1°263	-5	M	...	...
...	...	58°259	-50°052	-2	44.1001	10.2	...	...	50°872	-16°141	-5	E	...	...	43°532	+16°974	0.75	...	...	...
...	...	-58°167	+0°790	0.75	...	...	...	...	-50°794	-14°131	0.90	44.1014	10.0	...	-43°465	-45°454	-5	M	...	...
...	...	58°089	-49°669	-5	E	...	...	...	50°681	+3°777	-5	E	...	...	43°332	-17°067	-5	M	...	...
*	...	58°032	+53°069	8.00	43. 946	3.8	...	...	50°505	-48°754	-4	...	...	...	43°290	-55°299	-2	A	...	...
*	...	57°998	-18°553	1.05	44.1004	9.8	...	...	50°354	+1°633	0.70	...	...	...	43°183	+40°443	-5	M	...	...
...	...	57°986	+49°374	0.80	...	...	...	...	50°284	-27°521	0.70	...	...	...	42°934	-17°065	-5	M	...	...
2I	...	-57°836	-41°462	-4	E	...	8I	...	-50°250	-44°417	-5	...	...	14I	...	-42°909	-57°021	-5	...	...
...	...	57°818	+27°625	-3	...	...	...	...	50°153	+35°819	-5	...	...	...	42°885	+42°464	-5	...	...	...
*	...	57°649	-38°340	1.20	44.1005	9.8	...	...	50°004	+14°816	1.10	43. 950	9.6	...	42°723	-44°575	-5	M	...	...
...	...	57°600	-56°902	-5	...	...	...	...	49°981	-7°148	1.10	44.1015	9.9	...	42°546	-16°238	0.90	...	...	...
*	...	57°578	-45°241	1.00	44.1003	10.0	*	...	49°776	+4°949	1.10	43. 951	10.0	*	42°367	-58°044	1.40	44.1021	9.0	...
...	...	-57°435	-33°398	-5	E	...	...	...	-49°633	+31°192	0.65	...	...	...	-42°239	-58°012	1.00	...	...	...
...	...	57°433	-44°370	0.70	...	...	...	...	49°514	+31°208	-4	M	...	...	42°311	-42°750	-5	M	...	...
...	...	57°349	+50°253	-5	...	...	...	...	49°448	-34°850	-3	...	...	...	42°029	-24°456	-3	M	...	...
...	...	56°993	-50°067	-3	...	...	*	...	49°391	-0°706	1.05	43. 952	10.2	...	41°978	-5°472	-2	B	...	...
...	...	56°955	+10°353	-4	E	...	...	...	49°361	-28°204	-5	M	...	...	41°936	+18°149	-4	...	...	...
3I	...	-56°529	-35°971	-5	E	...	9I	...	-49°189	-31°197	-5	M	...	15I	...	-41°678	-20°300	-4	M	...
...	...	56°343	+21°767	-5	M	...	...	...	49°033	+33°116	-4	M	...	...	41°659	-4°760	-3	A	...	...
*	...	56°315	-24°945	2.60	44.1007	7.8	...	...	48°920	-19°893	0.85	E	...	*	41°574	+46°280	1.10	43. 956	10.2	...
*	...	56°301	+30°302	1.10	43. 947	10.2	...	...	48°883	+5°560	-4	E	...	*	41°402	+53°081	1.05	...	...	...
...	...	56°296	-51°448	0.90	44.1006	10.0	...	...	48°843	-44°907	0.75	...	...	*	41°320	-4°683	1.25	44.1022	9.4	...
†	...	-56°257	-4°903	-2	...	...	...	...	-48°737	-36°428	-4	M	...	*	-41°274	+54°479	1.25	43. 957	10.2	...
...	...	56°238	+53°815	-5	...	...	...	...	48°712	+26°897	-5	M	...	...	41°081	-22°821	-5	M	...	...
...	...	56°221	-37°203	-3	...	...	...	...	48°339	-16°389	-5	M	...	...	40°972	-24°529	0.85	...	...	...
...	...	56°159	-8°169	-1	...	...	...	...	48°243	+9°835	-3	...	...	...	40°678	+10°769	-1	...	...	...
...	...	55°814	+12°724	-5	M	...	...	...	48°206	+40°494	-5	...	...	...	40°611	-4°600	-1	B	...	...
4I	...	-55°638	-15°480	-3	E	...	10I	...	-48°140	-24°772	0.70	...	...	16I	...	-40°330	-40°293	-4	M	...
...	...	55°067	+8°178	0.85	...	...	...	...	47°955	+23°663	0.75	...	...	...	40°325	+20°294	-3	...	...	...
...	...	55°019	-51°025	-5	...	...	...	...	47°484	+15°921	-4	M	...	...	40°058	+26°311	0.90	...	...	...
...	...	54°516	+45°762	-3	...	...	*	...	46°977	-25°781	1.00	44.1016	10.2	...	†	39°722	-9°272	-5	M	...
...	...	54°149	+27°485	-5	E	...	*	...	46°715	+1°281	1.00	43. 953	10.2	...	...	39°722	-9°272	-5	M	...
*	...	-54°009	-8°617	1.20	44.1008	9.5	...	...	-46°540	+56°249	-5	...	...	*	39°538	-55°313	-1	44.1023	10.2	...
...	...	53°972	-4°329	-2	...	...	...	...	46°349	-21°961	0.90	...	...	...	-39°281	+39°670	2.10	43. 958	8.2	...
...	...	53°962	+4°309	-4	E	...	...	...	46°124	+36°622	-5	M	...	...	39°246	+15°607	-5	M	...	...
*	...	53°922	-5°280	1.00	44.1009	10.2	...	...	45°897	+33°134	-5	...	...	...	39°077	+31°852	0.80	...	...	...
S *	...	53°872	-12°111	2.05	44.1010	8.2	...	...	45°880	-39°464	0.70	...	...	...	38°885	-33°233	-5	M	...	...
5I	...	-53°795	-32°420	-5	E	...	11I	...	-45°700	+50°956	-3	...	...	17I	...	-38°615	+33°170	-4	...	...
...	...	53°695	-0°867	-5	E	...	*	...	45°669	+15°627	3.00	43. 954	7.6	...	...	38°588	+11°957	-5	M	...
...	...	53°498	+4°238	-3	...	...	...	...	45°596	+43°597	-5	...	...	...	38°584	-12°558	-5	M	...	...
...	...	53°333	+38°930	0.80	...	...	...	...	45°575	-9°022	-4	M	...	...	38°147	+46°576	-3	...	...	...
...	...	53°314	-37°733	-4	...	...	...	...	45°534	-28°049	-5	M	...	...	38°044	-36°151	-4	M	...	...
...	...	-53°225	-41°732	-5	E	...	*	...	-45°437	+45°272	1.65	43. 955	9.4	*	-37°961	+43°390	1.15	43. 959	9.5	...
...	...	53°075	+15°854	-2	...	...	...	...	45°271	-34°921	-3	...	...	...	37°840	-35°524	-4	M	...	...
...	...	53°036	-1°165	-3	E	...	*	...	45°186	-37°210	1.15	44.1017	10.0	...	...	37°789	-17°399	0.65	...	...
...	...	53°011	+1°470	-4	E	...	...	...	45°153	+36°543	-5	...	...	*	37°775	-21°535	1.10	44.1024	9.8	...
...	...	52°879	+37°820	-3	...	...	...	...	44°855	+37°161	-5	...	...	*	37°712	+43°626	1.60	43. 960	8.8	...

S measured from 1, 164, 274, 335, 448, 530, 540, 555, 557, 563, 603, 764.
 SB " " 85, 242, 302, 376, 526, 531, 541, 556, 559, 565, 693, 840.

123, 124. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181						241						301					
...	-37.142	-27.142	-4	...	...	*	-30.107	-37.372	1.00	44.1029	10.2	...	-20.090	-36.438	2	...	...
...	37.133	+13.147	-5	M	...	†	29.992	+23.875	2.00	43.966	8.2	*	19.713	+21.647	1.00	43.970	10.2
...	37.089	+20.864	-5	M	...	...	29.877	-19.090	0.65	...	...	...	19.435	-37.600	0.90	...	...
...	37.077	+30.770	-5	...	...	...	29.554	-12.202	-5	M	...	...	19.411	+28.737	-5	M	...
...	36.994	+40.357	-5	...	...	...	29.519	-43.012	-3	M	...	...	19.296	-7.049	-2	...	...
...	-36.777	+20.196	-5	M	...	...	-29.233	-7.746	-2	A	...	...	18.909	+24.658	-5	M	...
...	36.697	-10.922	-5	M	...	...	29.086	-37.550	-4	M	...	...	18.842	-5.949	-4	M	...
...	36.336	-7.676	-5	M	...	*	28.826	+43.804	1.00	43.967	10.0	*	18.774	-0.734	1.00	43.971	10.2
...	36.296	+58.863	-5	...	...	...	28.606	+12.258	-4	M	...	...	18.613	-57.456	0.90	...	...
*	36.231	+22.910	1.00	43.961	10.2	...	28.181	+18.633	0.65	...	...	...	18.598	-4.973	-5	M	...
191						251						311					
...	-36.187	+23.074	-5	M	...	...	-28.157	+16.999	-1	...	...	*	-18.571	+14.500	1.00	43.972	10.2
...	36.186	-58.389	-5	...	...	...	28.041	-20.751	-1	...	...	...	18.560	-4.575	-4	M	...
...	36.142	+15.083	-1	...	...	...	27.695	-1.636	0.70	A	...	...	18.532	+56.184	-2	...	...
...	36.089	+23.508	-5	M	...	†	27.671	-19.788	0.75	44.1031	10.2	*	18.317	-28.098	1.00	...	...
S*	35.652	+41.196	3.00	43.962	7.2	...	27.309	+9.333	-1	...	...	...	18.316	-42.402	0.65	...	...
...	-35.524	-55.266	-2	...	...	...	-27.223	+43.390	-4	...	...	*	-18.145	-0.245	1.10	43.973	10.2
*	35.449	-40.320	1.00	44.1025	10.2	...	26.870	+31.066	1.00	...	...	*	18.087	-40.902	1.10	43.974	10.0
...	35.436	+47.508	0.90	43.963	10.2	...	26.818	-35.783	-3	M	...	...	17.972	-36.796	-5	M	...
...	35.363	+38.775	-1	...	...	...	26.713	+3.773	-3	A	...	...	17.830	+39.793	1.00	...	...
...	35.353	-32.000	0.70	...	...	...	26.422	-13.904	0.75	...	...	...	17.770	-42.618	-5	M	...
201						261						321					
...	-35.070	-29.566	-4	M	...	...	-26.230	+47.710	-1	...	...	*	-17.449	-32.206	1.15	44.1038	9.8
...	35.020	-40.926	-2	...	...	...	26.166	+34.256	-3	A	...	...	17.355	-46.627	-5	M	...
...	34.800	+21.375	-4	...	...	...	26.163	-47.829	-4	M	...	...	17.276	-30.314	-2	...	...
...	34.796	+22.845	-5	M	...	...	26.106	-36.719	0.80	...	...	...	17.115	-43.552	-5	M	...
...	34.737	+13.994	0.70	...	...	...	25.849	+36.833	-4	M	...	...	16.929	+2.467	-4	M	...
...	-34.619	+25.672	0.70	...	...	...	-25.801	-13.538	0.85	...	...	...	-16.771	-28.015	-2	...	...
*	34.495	-51.336	1.10	44.1026	9.9	*	25.792	-36.580	1.10	44.1032	9.8	*	16.633	-42.201	1.05	44.1039	10.2
...	34.468	+1.941	-4	M	...	...	25.616	+13.393	-3	...	...	*	16.557	-53.655	1.05	44.1040	10.2
...	33.763	-31.013	0.80	...	...	*	25.532	-48.865	1.05	44.1033	10.0	...	16.450	-2.827	-3	A	...
*	33.716	+22.704	1.10	43.964	9.6	...	25.393	+13.690	-5	M	...	...	15.937	+21.882	-3	...	...
211						271						331					
...	-33.649	-34.617	-1	A	...	...	-25.208	-34.099	-3	M	...	*	-15.572	-1.846	1.05	43.975	10.2
*	33.489	-11.243	1.00	44.1027	10.0	*	25.161	+0.737	1.00	...	...	...	15.426	-54.283	-2	...	...
...	33.101	+7.989	-2	...	...	...	25.143	-18.159	-5	M	...	...	15.280	-54.958	-1	...	...
...	32.811	+29.640	-5	M	...	...	24.757	-11.331	-5	M	...	...	15.259	+18.894	1.30	43.976	9.5
...	32.717	-32.510	-2	...	...	...	24.624	+47.863	-3	...	...	†	14.965	-6.781	1.00	44.1041	10.0
...	-32.673	-3.929	-5	M	...	...	-24.263	+57.870	-5	...	...	†	-14.902	-16.881	-5	M	...
...	32.496	+59.260	-4	...	...	...	24.202	-48.184	-5	M	...	...	14.895	-32.509	0.80	...	...
...	32.480	+3.894	-1	...	...	...	23.647	+22.473	-5	M	...	...	14.878	-42.125	-2	...	...
...	32.460	+27.492	-3	...	...	...	23.456	-43.074	-5	M	...	...	14.523	-51.900	-3	...	...
...	32.442	-30.973	-5	M	...	*	23.408	+25.708	1.10	43.968	9.9	...	14.408	-33.701	-5	M	...
221						281						341					
...	-32.398	-37.082	0.70	...	...	...	-23.311	-10.229	0.65	...	...	...	-14.288	-33.492	-4	M	...
...	32.117	-12.804	-4	M	...	...	22.988	+28.536	-5	...	...	...	14.220	+49.381	-3	...	...
...	31.870	+58.656	0.90	42.1008	10.1	S*	22.917	-19.192	1.65	44.1034	8.4	...	14.050	+37.464	-2	...	...
...	31.750	-18.063	0.75	...	...	...	22.841	+20.437	-5	M	...	*	13.934	-23.781	1.00	43.977	10.2
...	31.643	+49.508	0.90	...	...	...	22.799	-53.137	-2	...	...	...	13.882	-15.964	-5	M	...
...	-31.614	-22.505	-5	M	...	...	-22.676	+31.199	0.80	...	...	*	-13.841	+26.093	1.00	43.978	10.2
...	31.579	+49.888	-5	M	...	...	22.610	+40.303	-5	M	...	...	13.642	-50.916	-5	M	...
...	31.510	-11.828	0.75	...	...	...	22.596	+44.865	-5	...	...	...	13.598	+49.876	-5	...	...
...	31.401	-21.763	-5	M	...	*	22.419	-33.925	1.10	44.1035	9.8	...	13.440	-11.504	-5	M	...
...	31.284	+15.854	-2	...	...	...	22.231	+11.232	-5	M	...	...	13.395	+42.770	-5	M	...
231						291						351					
...	-31.132	-35.045	0.80	44.1028	10.2	*	-22.146	-39.060	1.00	44.1036	9.9	...	-13.283	-58.348	-5	M	...
...	31.051	-43.439	-5	M	...	...	21.879	+49.380	-2	...	...	...	13.165	+14.955	-3	...	...
...	30.858	+31.696	0.65	...	...	...	21.778	+16.817	-3	...	...	...	13.066	-57.065	-5	M	...
...	30.826	+40.233	0.70	...	...	...	21.484	-35.165	-3	...	...	...	13.046	-37.408	-3	...	...
...	30.743	-29.310	-3	...	...	...	21.214	+17.844	-5	M	...	...	13.015	-49.270	-4	...	...
...	-30.691	-33.148	-2	...	...	...	-20.990	+12.776	-4	...	...	...	-12.050	-9.527	-5	M	...
...	30.384	-30.336	0.70	...	...	...	20.900	+40.313	-2	...	...	...	12.055	-20.736	-5	...	...
S*	30.178	+12.311	1.65	43.965	8.4	...	20.577	+52.202	-5	...	...	...	12.875	+43.349	-5	...	...
...	30.152	-21.185	-5	M	...	...	20.553	-14.959	-2	...	...	...	12.870	-42.647	-1	...	...
...	30.119	+8.690	-4	M	...	*	20.440	+14.559	1.00	43.969	10.0	*	12.514	-27.447	1.00	44.1043	9.0

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		
	x.	y.	-1.	No.	Mag.	x.	y.		-1.	No.	Mag.	x.	y.	-1.	No.		Mag.	x.	y.	-1.	No.	Mag.	x.	y.	-1.	No.	Mag.
361-420						421-480						481-540												
361	-12.425	-50.322	0.80	44.1042	10.2	421	-4.083	-17.819	-4	M m	...	481	+3.816	+39.762	-5	M	...							
...	12.345	-22.425	-4	M	...	...	3.906	-23.869	-4	M m	...	...	3.978	+3.100	-2	...	...					
...	12.178	+6.237	0.70	...	...	...	3.882	+19.735	-1	...	...	...	4.063	-41.176	0.80	44.1054	10.2	
...	12.135	-19.482	-5	M	...	*	3.832	+4.325	1.15	43.985	9.6	*	4.297	-51.795	1.05	44.1055	9.9							
...	11.974	-5.400	-5	M	...	...	3.736	+55.165	-5	...	...	...	4.318	-10.811	-5	M m	...		
...	-11.695	-44.466	-5	M	...	...	3.664	-3.803	0.80	...	...	...	+4.409	+49.195	-3	...	...					
...	11.668	-17.597	-5	M	...	...	3.642	-31.557	0.80	...	...	...	4.464	+59.122	0.70	...	...					
*	11.362	+32.796	1.00	43.979	10.2	*	3.565	-26.967	1.15	44.1048	9.8	...	4.467	+10.886	-1	...	...					
*	11.069	-47.229	1.25	44.1044	9.2	...	3.496	+4.307	-2	A m	...	...	4.649	-11.663	-3	M m	...					
...	10.654	-21.260	-1	...	...	...	3.312	+2.655	0.65	...	...	...	4.940	+45.189	-2	...	...					
371	-10.572	+17.662	-5	M	...	431	-3.237	+40.371	-5	M m	...	491	+5.072	+12.391	-5	M m	...							
...	10.336	-16.305	-3	M	...	...	3.051	-49.067	0.80	...	...	...	5.249	-17.381	-5	M m	...		
...	10.253	+19.451	-5	M	...	...	2.834	-34.933	-5	M m	...	...	5.298	-21.667	-4	M m	...			
...	10.222	+17.548	-5	M	...	*	2.823	+1.143	1.00	...	...	...	5.318	-15.080	-5	M m	...				
*	10.116	-33.183	1.05	44.1045	9.8	...	2.372	+11.653	-4	M m	...	...	5.363	+57.209	-5	...	...					
...	-9.950	+58.459	-3	...	...	...	-2.354	-20.066	-3	M m	...	...	+5.437	+31.877	-5	M m	...		
...	9.915	-13.790	-2	A	...	...	2.059	+29.172	-1	...	...	...	5.643	+21.847	-2	...	...					
...	9.893	+49.181	0.70	...	...	...	1.937	-36.404	-5	M m	...	...	5.662	-32.746	-5	M m	...		
...	9.716	+40.754	-3	...	...	...	1.850	+23.784	-5	M m	...	*	5.988	+2.743	2.30	43.991	8.2				
...	9.665	+8.998	0.75	...	...	...	1.824	-12.059	-5	M m	...	...	6.046	-33.956	-1	...	...					
381	-9.541	+39.382	0.75	...	...	441	-1.744	-53.568	-5	M m	...	501	+6.134	+48.180	-5	...	...					
...	9.444	-36.101	-5	M	...	...	1.544	+27.511	0.90	...	...	*	6.172	+38.580	1.35	43.992	9.0			
...	9.376	-5.978	-5	M	...	...	1.319	-25.247	-5	M m	...	...	6.194	-6.859	-5	m	...			
*	9.204	+3.723	1.10	43.980	10.0	*	1.172	+39.484	1.05	43.986	10.0	...	6.726	+38.351	-4	...	...					
...	9.163	-9.549	0.85	A	...	*	0.983	+16.891	1.05	43.987	10.2	...	7.550	-14.869	-3	m	...							
...	-9.112	+9.212	-4	M	...	S*	-0.903	+44.557	1.48	43.988	9.0	...	+7.718	+4.980	-5	m	...							
...	8.801	-48.384	-2	...	...	*	-0.312	-11.530	1.25	44.1049	9.4	...	7.734	+55.455	0.70	...	...					
...	8.801	-41.639	-4	M	...	...	+0.039	+38.505	-3	...	...	...	7.755	-28.525	-4	m	...		
*	8.750	-37.281	1.00	44.1046	10.2	...	0.041	-13.807	-5	M m	...	...	7.761	-10.520	-5	m	...					
...	8.721	+42.642	-5	M	...	...	0.244	+19.358	0.80	...	...	...	8.028	+2.785	-1	...	...					
391	-8.559	-35.141	-5	M	...	451	+0.478	+55.816	-2	...	...	511	+8.421	+32.664	0.75	...	...					
...	8.341	-31.364	-5	M	...	...	0.635	+42.294	-4	...	...	...	8.470	+18.243	-5	m	...		
...	8.218	+32.200	-3	...	...	n	0.669	+33.507	0.70	43.989	9.6	...	8.576	-39.403	0.85	44.1056	10.2					
...	8.100	+28.761	0.65	...	...	...	0.674	+57.552	-4	...	...	...	8.950	-43.274	-4	m	...	
*	7.917	+39.867	1.00	43.981	10.0	...	0.710	+30.871	-5	M m	...	...	8.978	-33.801	-4	m	...					
...	-7.880	+46.067	-5	M	...	n*	+0.783	+33.547	1.00	43.989	9.6	*	+9.055	-41.972	1.00	44.1057	10.2							
...	7.460	+0.962	-2	A	...	†	0.808	+5.238	-3	...	...	*	9.192	-53.897	1.10	44.1058	10.0					
...	7.367	-43.154	0.90	...	...	*	0.833	-9.067	1.00	44.1050	10.2	*	9.195	+12.844	1.00	43.993	10.2					
*	7.342	+55.264	1.30	43.982	9.6	...	1.096	-25.342	-4	M m	...	...	9.196	+40.732	-5	...	...					
...	6.905	-15.848	-5	M	...	...	1.202	+58.289	-5	...	...	...	9.267	+22.368	-5	m	...		
401	-6.695	+19.189	0.65	...	...	461	+1.356	+10.760	-4	M m	...	521	+9.401	+20.879	-4	m	...					
...	6.502	-24.249	-4	M	...	*	1.409	-40.754	1.05	44.1051	9.8	...	9.431	-55.500	-3	...	...					
...	6.383	+44.687	-5	M	...	...	1.421	-8.619	-5	M m	...	...	9.454	+12.406	-3	...	...					
...	6.061	-5.146	0.65	A m	...	...	1.532	-6.123	-5	M m	...	...	9.821	-12.182	-5	m	...			
...	5.978	+10.628	0.80	...	...	...	1.640	-34.111	-1	...	...	†	9.871	+59.532	-5	...	...					
...	-5.911	+3.362	0.70	A	...	...	+1.703	+5.690	-2	...	...	...	+10.059	-2.342	-2	b	...		
...	5.879	-50.898	-5	M m	...	...	1.759	+55.818	-3	...	...	*	10.190	-35.937	1.00	...	...					
...	5.745	-47.501	0.85	...	...	...	2.128	+30.886	-5	M	...	*	10.198	+3.243	1.00	43.994	10.2				
...	5.729	+44.733	-3	...	...	...	2.197	+21.178	-5	M m	...	...	10.339	-52.812	0.65	...	...					
*	5.336	+51.772	1.00	...	...	...	2.239	+13.836	-3	A m	...	...	10.438	+58.589	0.75	...	...					
411	-5.320	+2.812	1.00	43.983	10.2	471	+2.481	-0.753	-5	M m	...	531	+10.513	-30.615	1.00	44.1059	10.2							
†	5.111	-10.750	-1	...	...	...	2.497	+28.255	-5	M m	...	*	10.535	+47.990	1.20	43.995	10.0				
...	4.912	+52.282	0.75	...	...	...	2.901	-25.575	-5	M m	...	...	10.721	-44.466	-5	m	...		
...	4.905	-32.405	-5	M m	...	...	2.912	-33.051	-5	M m	...	...	10.882	-54.734	-4	m	...			
...	4.664	-38.871	-2	A a	...	...	3.295	+7.174	-4	M	...	...	11.108	+19.089	-5	m	...			
...	-4.595	-13.738	-5	M m	...	...	+3.326	+15.609	-4	M m	...	...	+11.243	+20.841	-4	b	...			
*	4.544	-36.463	1.05	44.1047	9.9	*	3.414	-9.640	1.00	44.1052	10.2	*	11.292	-59.427	1.10	44.1060	10.0							
S*	4.389	+35.457	1.45	43.984	8.6	*	3.489	+4.442	1.20	43.990	9.5	...	11.469	+20.553	0.85	...	...					
...	4.382	+11.356	-5	M m	...	...	3.688	+15.022	-5	M m	...	...	11.514	-0.821	-3	m	...			
...	4.268	-14.545	-5	M m	...	...	3.761	-23.629	0.85	44.1053	10.2	...	11.644	+21.553	-5	m	...					

453, 456. C.P.D., mass.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-i.		No.	Mag.		x.	y.	-i.		No.	Mag.		x.	y.	-i.		No.	Mag.
541-600							601-660							661-720						
541	+11.680	+19.656	- 2	o	...	...	601	+19.743	+27.116	- 2	o	...	...	661	+26.986	-31.406	1.00	43.1012	10.0
...	11.843	+30.332	- 5	m	...	...	...	19.770	-50.718	- 5	m	...	...	...	27.040	-23.591	- 2	...	...
...	11.902	-56.036	- 5	m	...	...	...	20.192	-11.273	- 2	m	...	...	...	* 27.107	-40.983	1.00	44.1076	9.7
...	11.964	+26.148	- 5	m	...	...	...	* 20.522	-46.762	1.00	44.1066	10.2	...	...	27.121	- 6.457	- 5	m	...
...	11.975	-26.117	0.65	...	...	...	...	20.694	-35.665	- 5	m	...	...	...	27.125	-41.798	- 1	...	...
...	* +12.085	+49.124	1.00	...	...	...	...	20.888	-39.304	- 3	m	...	...	...	27.140	-17.433	- 4	m	...
...	12.241	+25.624	0.90	...	...	...	...	21.154	+11.611	- 5	m	...	...	...	27.371	- 0.345	- 2	a	...
...	* 12.273	- 6.229	1.20	44.1061	9.6	...	...	21.345	-30.691	- 3	...	...	...	...	* 27.500	- 8.162	1.10	44.1077	9.6
...	* 12.477	-58.901	1.00	44.1062	10.2	21.420	-31.493	- 5	m	27.516	- 7.792	5	m	...
...	12.568	-22.668	- 4	m	21.509	+30.638	- 5	m	27.728	-42.154	- 5	m	...
551	+12.620	+18.154	0.70	...	...	...	611	+21.660	-15.985	1.00	44.1067	10.2	...	671	+28.052	-42.342	0.65	...	...
...	12.653	-37.489	- 1	...	...	...	...	21.708	+13.895	- 4	...	...	...	...	28.236	-30.162	- 5	m	...
...	* 12.755	+17.988	1.15	43. 996	9.6	...	...	21.762	+10.168	- 2	...	...	...	...	28.386	-33.149	- 2	...	...
...	* 12.899	-15.048	1.00	44.1063	10.2	...	...	* 21.786	+ 9.908	1.25	43.1006	9.4	...	...	28.402	+ 0.550	- 5	m	...
...	12.913	+54.437	- 4	...	...	...	...	* 21.812	-24.252	1.00	44.1068	10.0	...	...	28.413	- 8.523	- 1	...	...
...	+12.940	-26.196	- 5	m	...	...	...	* +21.961	+17.351	1.15	43.1007	9.6	...	...	28.443	-38.496	- 3	m	...
...	13.160	+49.132	- 2	...	...	...	...	22.401	+ 3.403	- 3	...	...	...	...	* 28.556	-24.572	1.30	44.1078	9.2
...	13.359	+58.802	- 2	...	...	...	...	22.433	-33.033	- 3	...	...	...	...	* 28.562	-59.605	1.20	42.1053	9.6
...	13.657	+ 8.257	- 1	...	...	...	...	22.489	+16.204	- 1	...	...	...	...	28.610	-28.247	- 5	m	...
...	13.713	-21.813	- 4	m	...	...	...	22.564	+ 6.587	- 2	...	...	...	...	28.735	- 8.598	0.70	...	...
561	+13.719	-11.104	- 3	m	...	...	621	+22.636	-27.204	0.75	44.1069	10.2	...	681	+28.782	- 5.414	- 5	m	...
...	13.844	-18.735	- 2	a	...	...	...	22.660	-25.980	1.15	44.1070	9.6	...	...	* 28.795	-45.017	1.00	43.1013	9.9
...	* 13.861	+53.821	1.20	43. 997	10.0	...	...	* 22.665	-52.271	1.15	44.1071	9.6	...	...	28.836	-54.328	- 4	...	...
...	13.868	+21.838	- 5	m	...	...	...	23.003	- 8.717	- 5	m	...	...	...	* 28.910	-26.327	1.05	43.1014	9.7
...	14.383	-58.674	- 5	m	...	...	...	23.111	-18.542	- 5	m	...	...	...	29.009	-47.158	0.80	44.1079	10.0
...	+14.544	-54.767	- 3	m	...	...	...	+23.113	- 8.512	- 3	m	...	...	...	* -29.032	- 1.177	1.00	43.1016	10.0
...	14.581	+20.658	- 3	a	...	...	...	23.353	+55.050	- 5	...	...	...	...	29.063	-16.578	- 3	...	...
...	15.156	-47.483	- 2	...	...	...	...	23.411	-24.447	- 5	m	...	...	...	* 29.277	-21.467	1.00	43.1015	10.0
...	15.398	+25.402	- 4	a	...	...	...	23.422	-53.012	- 5	m	...	...	...	29.332	-27.995	- 5	m	...
...	* 15.564	+16.038	1.30	43. 998	9.6	...	...	23.501	+36.406	- 5	m	...	...	...	* 29.388	-50.875	1.10	44.1080	9.7
571	+15.576	+27.401	0.75	...	...	...	631	+23.532	+57.740	- 5	...	...	...	691	+29.439	-31.999	- 4	...	...
...	15.812	- 4.666	- 5	m	...	...	...	23.623	-12.711	0.80	44.1072	10.0	...	...	29.633	- 6.055	- 1	...	...
...	15.870	+30.953	- 4	a	...	...	...	* 23.677	+13.997	1.68	43.1008	8.5	...	...	29.871	+23.267	1.05	43.1017	9.6
...	15.893	+10.128	1.00	43. 999	10.2	...	...	23.714	-28.192	- 1	...	...	...	...	30.006	+ 2.631	- 4	m	...
...	16.499	+50.682	- 4	...	...	...	...	23.827	+16.598	0.75	43.1009	10.0	...	...	30.018	-15.150	0.75	...	...
...	* +16.591	+14.113	1.00	43.1000	10.2	...	...	+23.845	+44.039	- 4	...	...	...	...	+30.083	- 6.688	- 3	m	...
...	16.651	+23.648	- 2	...	...	...	...	23.919	-45.533	- 2	...	...	...	...	30.089	-31.229	- 5	m	...
...	* 16.761	-53.917	1.05	44.1064	10.2	...	...	23.962	+37.920	- 5	...	...	...	...	30.162	-39.301	0.70	...	...
...	17.120	+ 6.942	- 2	...	...	...	...	24.025	+11.539	1.00	43.1010	9.8	...	...	30.239	+13.080	- 3	...	...
...	17.149	+19.885	- 2	...	...	...	...	24.195	+ 2.835	- 5	m	...	...	...	30.320	-59.410	- 2	...	...
581	+17.168	+32.326	1.10	43.1001	10.2	...	641	+24.218	- 1.739	0.65	...	...	...	701	-30.772	-44.357	- 3	...	...
...	17.184	-24.566	- 5	m	...	...	...	* 24.287	-21.168	1.40	44.1073	9.0	...	...	30.773	- 7.176	0.90	...	...
...	* 17.242	+13.747	1.25	43.1002	9.8	...	...	24.423	-49.086	- 4	...	...	...	...	30.969	-24.209	- 3	...	...
...	17.460	+37.412	- 2	...	...	...	...	24.520	+25.196	- 5	...	...	...	...	30.980	-27.720	- 4	m	...
...	17.567	- 5.254	0.85	...	...	...	...	24.664	-29.187	0.80	44.1074	10.0	...	...	31.015	-45.026	- 3	...	...
...	* +17.585	+ 4.171	1.20	43.1003	9.6	...	...	* +24.783	-45.777	1.00	44.1075	10.0	...	...	-31.383	-42.203	0.65	...	...
...	* 17.660	+ 1.696	1.00	43.1004	10.2	...	...	25.269	+41.534	- 5	m	...	...	...	31.594	-11.052	- 5	m	...
...	17.791	+16.894	0.65	...	...	...	...	25.429	+13.752	- 4	m	...	...	...	31.875	-33.561	- 5	m	...
...	* 18.053	+34.378	1.00	43.1005	10.2	...	...	25.430	-21.972	- 5	m	...	...	...	32.052	-33.439	- 3	...	...
...	18.060	- 8.015	- 2	a	...	...	...	26.123	+25.407	0.80	43.1011	10.0	...	...	* 32.984	- 7.998	1.00	...	...
591	+18.133	-19.723	- 5	m	...	...	651	+26.133	-15.709	- 1	...	...	...	711	+33.123	+18.160	2.00	43.1018	8.2
...	18.516	+53.900	- 4	...	...	...	...	26.207	-53.189	- 5	m	...	...	...	33.147	-43.507	- 5	...	...
...	* 18.867	-26.756	1.25	44.1065	9.5	...	...	26.213	-20.178	- 5	m	...	...	...	n * 33.358	-30.110	1.00	43.1019	9.2
...	19.239	-12.025	0.65	a	...	...	...	26.264	-11.733	- 5	m	...	...	...	n * 33.463	-38.896	1.25	...	...
...	19.345	+38.394	0.85	...	...	...	...	26.291	- 9.059	0.70	...	...	...	...	33.482	-57.030	- 4	m	...
...	+19.387	+32.267	- 3	...	...	...	...	+26.322	+33.364	- 4	...	...	...	...	-33.897	- 3.355	- 5	m	...
...	19.409	+56.311	- 4	...	...	...	...	26.530	-23.759	- 4	m	...	...	...	33.070	-33.822	- 2	...	...
...	19.428	-36.393	- 5	m	...	...	...	26.641	-29.289	- 2	...	...	...	...	34.028	- 8.380	0.75	...	...
...	19.587	+50.835	0.90	...	...	...	...	26.851	-32.852	- 4	m	...	...	...	34.171	- 3.857	- 4	m	...
...	19.654	- 7.857	0.90	...	...	...	...	26.940	+15.381	- 5	m	...	...	...	34.211	-18.552	0.85	...	...

713, 714. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
721-780						781-840						841-897						
721	+34.850	-30.194	2.00	44.1081	8.4	781	+41.709	+16.871	0.70	...	...	841	+50.267	+21.869	-3	...	...
...	34.867	+33.310	-4	...	...	...	41.798	-33.897	-5	<i>m</i>	...	...	50.311	+18.269	-5	<i>m</i>	...
...	* 34.969	+18.853	1.10	43.1020	9.6	...	41.805	-24.368	-2	...	...	...	50.488	-13.043	-5	<i>m</i>	...
...	35.327	+27.968	-3	...	...	...	41.923	+8.133	-4	...	...	...	* 50.686	+38.452	1.45	43.1031	9.0
...	35.436	-19.364	0.75	...	...	...	42.147	+44.690	-2	...	...	S * 50.859	-36.851	2.00	44.1092	8.1	...
...	* +35.503	-17.921	1.00	...	...	...	+42.148	-54.756	0.75	...	...	...	+51.180	+56.213	-1	...	...
...	35.548	+57.351	-4	...	...	...	42.179	-49.094	-5	<i>m</i>	...	...	* 51.194	+5.842	-5	<i>m</i>	...
...	35.758	-59.190	-5	<i>m</i>	...	...	42.257	+42.316	-5	...	...	...	* 51.198	+12.849	1.65	43.1032	8.8
...	35.880	+11.124	0.90	* 42.383	-35.390	1.50	44.1089	8.5	51.315	+36.719	-3
...	36.153	+33.048	-3	42.705	-22.786	-3	51.477	-53.565	0.70	44.1093	10.0
731	...	...	...	...	...	791	+42.743	-41.179	-5	<i>m</i>	...	851	+51.525	+28.747	0.70	...	...
...	+36.266	-2.092	-5	<i>m</i>	...	...	42.749	+6.953	0.85	43.1025	10.0	...	51.550	-57.984	-5	...	...
...	36.415	-47.735	0.90	...	...	...	* 42.803	-8.262	1.10	44.1088	9.6	...	51.552	-10.010	0.90	...	...
...	36.643	+43.651	-3	...	...	...	42.921	+0.390	-3	...	...	...	51.706	+26.135	-3	...	...
...	36.657	+31.805	-3	...	...	...	43.133	+25.745	-4	...	...	...	* 52.172	-50.549	1.00	44.1095	10.0
...	36.907	+57.270	0.90	43.1021	10.0	...	+43.420	+1.819	0.70	...	...	...	* +52.303	-18.505	1.10	44.1094	9.9
...	+36.953	+12.923	0.70	...	...	...	43.467	-5.411	-4	<i>m</i>	...	...	* 52.886	+17.971	1.00	...	...
...	37.030	+5.035	-5	<i>m</i>	...	...	43.505	-47.684	-1	...	...	...	53.004	-48.932	-5	<i>m</i>	...
...	* 37.044	-3.548	1.20	44.1082	9.5	...	* 43.695	+42.767	1.00	43.1026	10.0	...	53.166	+9.995	0.65	...	...
...	37.087	+26.924	-5	<i>m</i>	...	...	44.286	+50.913	-2	...	...	...	53.272	+28.047	-5	<i>m</i>	...
...	37.282	-0.844	-5	<i>m</i>	...	801	+44.295	-9.130	-2	...	...	861	+53.303	-25.413	-3	<i>m</i>	...
741	...	...	...	...	...	...	44.653	+24.098	-5	<i>m</i>	...	...	53.520	-18.960	-3	...	...
...	+37.353	+20.266	-3	...	...	...	44.876	+37.037	-3	...	...	...	53.639	+20.506	-3	...	...
...	37.446	+2.814	-3	<i>a</i>	...	...	45.057	+23.486	-5	...	...	...	53.721	+15.718	-5	<i>m</i>	...
...	* 37.726	-34.462	1.00	44.1083	10.0	...	45.077	-5.886	-5	<i>m</i>	...	...	* 53.832	+0.745	1.00	...	...
...	37.830	+51.098	0.75	43.1022	10.0	...	+45.123	+45.806	-2	...	...	...	* +53.850	+26.716	1.30	43.1033	9.4
...	* 38.066	-21.947	1.20	44.1084	9.6	...	45.231	+15.918	-5	<i>m</i>	...	...	53.857	-36.500	-3	...	...
...	+38.166	+31.589	-3	...	...	...	45.242	-1.554	-3	<i>m</i>	...	...	* 54.038	-16.678	1.00	...	...
...	* 38.236	-12.047	1.00	...	...	...	45.358	-32.906	-5	<i>m</i>	...	...	54.404	-31.123	-1	...	...
...	38.364	-20.551	-5	<i>m</i>	...	...	45.439	+32.724	0.90	43.1027	10.0	...	S † 54.660	-12.663	2.43	44.1096	7.6
...	38.427	-27.041	0.85	...	...	811	+45.563	+1.304	-1	...	...	871	+54.958	-39.054	1.00	44.1097	10.0
...	* 38.438	+11.317	1.05	43.1023	9.9	...	45.698	+17.347	-5	<i>m</i>	...	...	55.288	+37.752	0.70	...	...
751	...	...	...	...	...	...	45.838	+10.469	-2	...	...	...	* 55.303	-33.640	1.05	44.1098	9.7
...	+38.531	+16.815	-3	...	...	...	45.853	+2.944	-5	<i>m</i>	...	...	55.551	-37.341	-4	...	...
...	38.904	-44.034	-3	<i>m</i>	...	...	45.889	-13.719	-5	<i>m</i>	...	...	* 55.775	-46.682	1.00	44.1099	10.0
...	38.915	-27.593	-3	<i>m</i>	...	...	+46.019	-1.973	-3	<i>m</i>	...	...	† +55.881	+0.257	-5	...	...
...	38.921	-46.201	-3	<i>m</i>	...	...	46.037	+27.058	1.10	43.1028	10.0	...	56.213	+4.481	0.70	...	...
...	39.321	-46.201	-3	<i>m</i>	...	...	46.276	-14.308	-2	...	...	...	56.244	+27.393	-5	...	...
...	39.329	+12.496	-5	<i>m</i>	...	...	46.295	+44.874	0.75	43.1029	10.0	...	56.957	+15.110	0.90	43.1035	10.0
...	* +39.359	+7.370	1.00	43.1024	10.0	...	46.499	-47.330	-3	...	...	...	57.146	-40.541	-5	<i>m</i>	...
...	39.384	-52.884	-4	...	...	821	+46.563	-31.364	-1	...	...	881	+57.160	-15.302	0.90	...	...
...	39.399	-5.184	-1	<i>a</i>	...	...	46.767	-43.524	-1	...	...	S * 57.174	+18.196	2.73	43.1036	7.6	
...	39.413	+4.817	0.90	...	...	...	46.776	-4.394	-5	<i>m</i>	...	...	57.355	+48.528	0.65	43.1034	10.0
...	* 39.486	-54.011	1.20	44.1085	9.7	...	* 46.839	-23.122	1.25	44.1090	9.4	...	* 57.527	+22.096	1.05	43.1037	9.9	
761	...	...	...	...	...	...	46.972	-56.721	-1	...	...	...	* 57.806	+19.834	1.20	43.1038	9.6
...	+39.516	-42.237	-5	<i>m</i>	+47.004	-26.219	-5	<i>m</i>	+57.814	+44.491	-5
...	39.649	+14.794	0.65	47.153	+54.806	-4	57.959	-5.447	0.90
...	39.691	+13.343	-5	<i>m</i>	47.213	-27.106	-2	58.064	+26.606	0.70
...	40.051	-57.170	-5	47.370	+2.206	-4	<i>a</i>	58.608	+0.674	0.75
...	40.054	-31.121	-3	47.441	+1.229	-5	<i>m</i>	58.721	-12.627	-5	<i>m</i>	...
...	+40.104	-42.344	-5	<i>m</i>	...	831	+47.577	+4.616	-3	...	...	891	+58.858	-28.476	-5	<i>m</i>	...
...	40.261	+11.996	-5	<i>m</i>	...	...	48.804	-16.454	-5	<i>m</i>	...	...	58.975	-22.405	-3	...	...
...	40.405	-32.314	-5	<i>m</i>	...	...	48.987	-58.221	-5	...	...	...	59.058	+23.442	-2	...	...
...	40.411	-43.281	-4	...	...	...	48.997	+5.526	-2	...	...	...	59.078	-37.861	-1	...	...
...	40.424	+35.696	-5	<i>m</i>	...	...	49.003	+17.705	-1	...	...	...	† 59.174	-44.561	0.70	44.1101	10.0
771	...	...	...	...	...	...	+49.428	+13.775	-4	...	...	...	* +59.257	+34.182	-4	...	...
...	+40.478	-49.243	-5	<i>m</i>	49.436	+15.952	-2	59.342	-15.259	1.20	44.1100	9.2
...	40.535	+31.910	-5	<i>m</i>	...	...	49.580	-46.915	-4	...	...	...	...	...	...	...	...
...	40.721	-34.282	-2	...	...	...	* 49.669	-35.007	1.05	44.1091	9.9	...	...	...	...	...	...
S *	40.750	-52.129	1.90	44.1086	8.3	...	50.110	+40.682	1.20	43.1030	9.7	...	...	...	...	...	...
...	40.792	+6.418	-5	<i>m</i>	...	...	...	...	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
1-60						61-120						121-180							
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-59.055	+40.541	0.85	43.1030	9.7	...	-37.391	+51.329	0.90	43.1050	9.9	...	-20.231	+8.585	-3	...	...
*	58.421	+38.345	1.50	43.1031	9.0	...	37.103	+6.041	-5	...	...	...	↑	20.061	+0.711	0.70	43.1060	10.0	
...	57.198	-35.116	0.75	44.1091	9.9	...	36.794	-58.612	-5	...	...	...	...	19.483	-16.611	-3	...	...
*	57.119	+12.766	1.80	43.1032	8.8	...	36.451	-11.964	-1	44.1109	10.0	...	...	19.404	-32.051	-4	...	...
...	56.074	-10.073	-5	...	...	...	36.391	-23.373	0.75	...	...	...	...	19.318	-19.217	-5	...	...
S*	-55.935	-36.929	2.60	44.1092	8.1	...	...	35.377	+49.018	-4	...	...	...	...	-19.089	-57.318	-2	44.1127	10.0
...	55.607	+17.927	-3	...	...	...	...	34.827	-15.651	1.05	44.1111	9.7	...	...	18.347	+23.331	-5	...	...
+	55.073	-18.547	1.00	44.1094	9.9	...	...	34.673	-18.006	1.00	44.1112	9.8	...	...	18.246	-39.116	1.70	44.1128	8.8
*	54.894	+26.688	1.10	43.1033	9.4	...	...	34.438	-20.131	-1	...	...	...	...	17.933	35.928	1.90	44.1129	9.8
...	54.817	-53.614	-5	44.1093	10.0	...	...	33.728	-32.624	-4	...	...	...	...	17.925	-40.397	-5	...	...
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...	...	...
...	-54.229	-50.586	-2	44.1095	10.0	...	-33.500	+26.037	-5	...	...	...	...	-17.838	-50.771	-2	43.1061	10.0	
...	54.133	+0.739	-1	...	...	...	33.432	-27.171	-4	...	...	...	...	17.838	-45.794	-2	...	...
...	53.821	+37.786	-4	...	...	S*	32.939	+5.205	1.28	43.1051	9.2	...	...	17.449	-6.445	1.20	44.1130	9.4	
...	53.396	-16.670	-4	...	...	...	32.900	+22.885	0.90	43.1052	10.0	S*	...	16.730	-20.265	2.10	44.1131	8.4	
S*	52.879	-12.639	3.20	44.1096	7.6	S*	32.729	-56.244	2.60	44.1113	8.2	...	...	16.324	-8.443	-3	...	...
...	-52.036	+48.617	-3	43.1034	10.0	...	...	-32.527	-7.795	0.70	...	...	...	...	-16.191	+1.775	0.85	43.1062	9.9
...	51.867	+4.558	-5	...	...	*	32.476	-39.576	1.25	44.1114	9.2	...	...	15.517	-5.977	1.30	44.1132	9.2	
...	51.771	-38.995	-2	44.1097	10.0	*	32.109	-58.776	1.00	44.1115	9.5	...	...	15.421	-0.132	1.30	43.1063	9.2	
...	51.601	-33.594	0.80	44.1098	9.7	+	32.108	+5.091	1.15	43.1053	9.4	...	...	15.073	-33.356	0.85	44.1133	9.8	
...	51.437	+15.195	-2	43.1035	10.0	+	31.504	-5.660	-2	...	...	...	...	14.997	-35.529	0.65	44.1134	10.0	
2I	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...	...	...
S*	-51.292	+18.289	3.28	43.1036	7.6	...	-31.310	+43.459	-5	...	...	...	...	-14.958	-43.863	-3	...	...
...	51.086	+22.186	0.80	43.1037	9.9	*	30.884	-23.846	1.25	44.1116	9.2	...	...	14.697	-10.690	1.20	44.1135	9.4	
...	50.744	-46.596	-2	44.1099	10.0	...	30.860	-47.099	-3	...	...	...	...	14.443	+14.034	1.00	43.1064	9.9	
+	50.724	+19.930	1.10	43.1038	9.6	...	30.499	-3.047	0.65	44.1118	10.0	...	...	14.401	+7.049	-5	...	...
...	50.677	+26.724	-4	...	...	...	30.368	-38.075	-1	44.1117	10.0	*	...	14.373	-11.402	2.40	44.1136	8.4	
...	-50.308	-15.195	-2	...	...	...	...	-29.975	-46.725	-4	...	...	...	...	-13.649	+18.101	-3	...	...
...	49.824	-5.324	-3	...	...	...	...	29.921	+7.613	-4	...	...	...	...	13.470	+25.190	-5	...	...
...	49.362	+0.807	-4	...	...	...	...	29.579	-21.417	-4	...	...	...	...	13.394	-41.470	-4	...	...
*	48.149	-15.097	1.25	44.1100	9.2	...	...	29.547	+18.858	-3	...	...	...	...	13.108	-25.951	-4	...	...
*	47.938	+28.421	2.10	43.1039	8.3	...	...	27.992	+22.402	-4	...	...	...	...	12.662	+7.581	-5	...	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...	...	...
...	-47.710	-37.688	-4	...	...	...	-27.824	-58.562	0.75	44.1119	10.0	*	...	-12.398	-37.383	1.10	43.1065	9.8	
...	47.626	+0.663	-5	...	...	...	27.476	-31.995	-4	...	...	...	...	12.395	+40.320	-2	...	...
...	47.428	+1.187	-1	...	...	...	27.210	-45.491	-4	44.1120	10.0	...	...	12.314	+29.107	-3	...	...
...	47.393	-44.371	-3	44.1101	10.0	...	26.972	-32.193	0.75	44.1121	10.0	...	...	12.182	+19.000	-5	...	...
*	46.810	+18.419	3.60	43.1040	7.4	*	26.866	+37.253	1.20	43.1054	9.2	...	...	11.944	+16.331	-3	...	...
*	-46.780	-3.774	1.05	44.1102	9.5	...	...	-26.752	-18.611	-2	44.1122	10.0	...	...	-10.980	-39.758	0.75	44.1137	9.8
*	46.023	-39.955	1.30	44.1103	9.0	...	...	26.685	+7.859	-2	43.1055	10.0	...	...	10.899	-39.718	-4	...	...
+	45.147	+57.512	1.45	43.1041	9.1	...	...	26.483	+14.404	-1	43.1056	10.0	...	...	10.772	+20.978	-1	...	...
+	45.056	-26.594	-4	...	...	...	...	25.975	-30.464	0.70	44.1123	10.0	...	...	10.765	+52.178	-1	43.1066	10.0
...	44.761	-40.643	0.65	44.1104	10.0	...	...	25.765	-15.829	-1	44.1124	10.0	...	...	10.749	-19.991	-3	44.1138	10.0
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...	...	...
+	-44.441	-49.812	-2	44.1105	10.0	*	-25.529	+26.338	2.10	43.1057	8.5	...	...	-10.464	-6.698	-4	...	...
...	44.415	-38.539	-5	...	...	*	24.714	+29.061	1.10	43.1058	9.7	...	...	9.954	-34.163	-4	...	...
...	44.194	+29.427	0.65	43.1042	10.0	*	24.202	+36.199	1.35	43.1059	9.4	...	...	9.706	-16.756	-2	...	...
...	44.143	-58.480	-3	44.1106	10.0	...	...	24.016	+21.294	-5	...	...	...	...	8.921	-26.718	1.05	44.1139	9.7
...	43.756	+3.843	0.90	43.1043	9.9	...	...	23.907	-43.558	-4	...	...	...	...	8.422	-2.941	-3	...	...
...	-43.314	-30.336	-5	...	...	...	...	-23.172	+16.010	-3	...	...	...	...	-8.310	+22.047	-5	...	...
...	43.131	+3.730	0.80	43.1044	10.0	...	...	22.817	-3.129	-5	...	...	...	...	8.107	+53.305	-1	43.1067	10.0
...	42.689	+40.002	-3	43.1045	10.0	...	...	22.683	+14.816	-5	...	...	...	...	8.018	-0.809	0.80	...	...
...	42.477	+56.438	-1	43.1046	10.0	...	...	22.553	-18.344	-5	...	...	...	...	7.755	-56.088	-2	44.1140	10.0
...	42.256	+14.356	-2	...	...	...	...	22.478	+55.658	-4	...	...	...	...	7.732	+56.495	-5	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...	...	...
S*	-42.118	+53.266	1.53	43.1047	9.0	...	-22.434	-47.174	-5	...	...	...	...	-7.581	+40.618	-5	...	...
...	41.497	+18.422	-3	...	...	...	22.390	-45.168	-5	...	...	*	...	6.347	+41.783	1.00	43.1068	10.0	
...	40.895	+0.450	-3	...	...	...	22.197	+18.012	-4	...	...	...	...	6.090	+9.915	-1	...	...
...	40.587	+7.365	0.75	...	...	...	21.935	-32.830	-2	...	...	...	...	5.904	+0.403	-3	a	...	
...	40.568	+13.746	0.65	43.1048	10.0	*	21.484	-23.493	1.10	44.1125	9.6	...	...	5.905	-5.906	-5	...	...
*	-39.771	+9.868	1.05	43.1049	9.7	...	...	-21.349	+12.979	-2	...	...	...	...	-5.853	-57.856	-1	...	...
...	39.541	+20.860	-1	...	...	...	...	21.326	-48.886	-5	...	...	...	...	5.714	-38.022	-3	...	...
...	39.538	-53.519	-1	44.1107	10.0	...	...	21.170	+33.069	-5	...	...	...	...	5.508	-4.700	-4	m	...
...	38.050	-47.074	-3	...	...	...	...	20.709	-32.354	-5	...	...	...	...	5.242	-55.577	2.35	44.1141	8.4
...	37.502	-42.498	0.65	44.1108	10.0	...	...	20.368	-41.486	-3	44.1126	10.0	+	...	5.172	-30.192	-2	43.1069	10.0

S measured from 1. 86, 196, 356.
 H " " " 40, 130, 246.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	...	...	...	...	...	241	...	...	...	...	...	301	...	...	...	...	...
...	4.552	+13.178	0.70	...	...	...	+13.793	+7.658	1.15	43.1086	9.5	...	+28.899	+37.730	0.70	43.1105	10.0
*	4.412	-52.379	1.10	44.1142	9.6	*	14.115	-41.751	1.30	44.1154	9.5	...	29.143	+7.148	-4	...	...
...	4.171	+21.289	-2	43.1070	10.0	...	14.371	+47.103	0.75	43.1087	10.0	...	29.333	-46.869	0.80	44.1171	9.8
...	3.760	-9.694	-5	B m	...	*	14.383	+24.563	1.40	43.1088	9.2	...	29.594	-20.899	0.65	44.1170	9.8
...	3.746	+8.855	0.70	43.1071	10.0	...	14.663	-48.675	-5	...	...	...	30.357	-24.359	-3	...	...
...	-3.652	+1.767	-5	m	...	*	+15.287	+6.839	1.10	43.1090	9.6	...	+31.326	-2.701	-1	...	...
...	3.639	-54.635	-1	44.1143	10.0	...	15.403	+43.957	0.80	43.1089	9.9	...	31.468	+42.658	-2	...	...
*	2.860	+15.737	1.00	43.1072	9.9	...	15.440	-36.380	-3	...	...	...	31.766	+45.798	-4	...	...
S*	2.665	+8.846	4.53	43.1073	6.8	...	15.503	-4.330	-3	44.1155	10.0	...	31.904	-37.506	-3	...	...
...	2.551	+47.218	-3	...	...	...	15.801	+58.739	-4	...	...	...	32.839	-20.731	-5	...	...
191	...	...	...	...	...	251	...	...	...	...	...	311	...	...	...	...	...
...	-2.108	+40.051	0.80	43.1074	10.0	...	+16.074	+18.640	-1	...	...	...	+33.360	-37.955	-5	...	...
†	1.869	+24.984	1.20	43.1075	9.4	...	16.281	+36.219	0.65	43.1091	10.0	...	33.404	+5.437	-4	...	...
*	1.287	-20.790	1.15	44.1144	9.6	...	16.899	+20.389	-3	...	...	...	34.735	+50.490	-5	...	...
*	0.724	+11.992	1.20	43.1077	9.5	...	17.129	-35.280	-1	44.1156	10.0	...	35.147	-41.866	-4	...	...
*	0.545	+46.123	1.10	43.1076	9.7	...	17.611	-42.120	-4	...	...	...	35.394	-56.005	-1	44.1173	9.9
†	-0.187	+51.468	0.65	43.1078	10.0	...	+17.612	-12.090	-5	...	...	*	+35.453	-36.645	1.70	44.1172	9.0
...	+0.249	+15.643	-2	43.1080	10.0	S*	17.859	+7.903	2.73	43.1092	8.2	...	35.805	-4.300	-1	...	...
...	0.280	+43.190	0.85	43.1079	9.9	*	17.999	+29.196	1.00	43.1093	9.8	...	36.021	-0.474	1.15	43.1106	9.5
*	0.353	-42.547	1.00	44.1145	9.8	...	18.068	+19.706	-3	...	...	...	36.308	+19.392	-2	...	...
...	0.403	+51.562	-2	...	...	...	18.197	+16.338	-1	43.1095	10.0	...	37.333	-52.891	-2	...	...
201	...	...	...	...	...	261	...	...	...	...	...	321	...	...	...	...	...
...	+0.420	-30.770	0.70	44.1146	9.9	...	+18.277	+45.663	0.85	43.1094	9.8	...	+37.890	+4.653	0.80	43.1108	10.0
...	1.013	+51.811	-4	...	...	...	18.343	+16.653	-5	...	...	*	37.981	+21.955	1.90	43.1107	9.0
*	1.297	+9.652	1.05	43.1082	9.6	...	18.665	+52.462	-1	43.1096	10.0	...	38.783	+4.151	-1	...	...
*	1.344	+13.639	1.20	43.1081	9.5	...	18.732	-13.400	-5	...	...	...	38.834	-29.103	0.70	44.1175	10.0
...	1.916	+6.771	-5	m	...	...	18.917	+34.139	-1	...	...	...	38.873	+32.713	-3	...	...
...	+1.918	-53.761	-4	...	...	...	+19.601	-24.600	-2	...	...	...	+38.910	-5.497	-5	a	...
...	2.374	+10.400	-4	...	...	...	19.932	-7.822	0.65	44.1157	10.0	...	39.066	-5.518	-3	44.1174	10.0
...	2.647	-37.843	-4	44.1147	10.0	...	20.060	+57.157	-2	...	...	...	39.306	+9.165	0.80	43.1110	9.9
*	2.771	-48.423	2.00	44.1148	8.8	...	20.097	+38.659	0.90	43.1097	10.0	...	39.473	+31.720	-5	...	...
...	2.871	-7.570	-5	M b	...	...	20.443	+26.383	-2	43.1098	10.0	...	39.597	+42.438	0.85	43.1109	9.8
211	...	...	...	...	...	271	...	...	...	...	...	331	...	...	...	...	...
...	+2.961	+29.099	0.90	43.1083	9.6	...	+20.687	+23.210	-5	...	...	...	+39.878	-47.147	0.65	44.1176	10.0
...	3.281	-9.657	0.75	44.1149	10.0	...	20.864	+42.691	-4	...	...	...	39.945	+32.423	-5	...	...
...	3.665	-14.555	-5	B m	...	...	21.243	-18.240	-5	...	...	...	40.063	-47.904	0.65	44.1177	10.0
n	3.921	-52.034	-5	44.1150	10.0	*	21.253	+30.772	2.00	43.1099	8.8	...	40.245	-1.427	0.85	43.1111	9.8
...	5.068	-35.770	-5	M	...	...	22.357	+53.687	-3	...	...	...	40.371	-42.114	-2	...	...
...	+5.223	-5.379	-4	...	...	N	+22.539	+29.885	-2	43.1101	10.0	...	+40.593	+41.345	-4	...	...
*	6.639	-7.222	1.90	44.1151	8.8	*	22.627	+53.656	1.00	43.1100	9.7	...	40.827	+20.981	-5	...	...
...	6.672	+11.973	-2	43.1084	10.0	*	23.218	+31.206	1.30	43.1102	9.2	...	40.961	+8.986	1.10	43.1112	9.4
*	6.923	-50.962	1.30	44.1152	9.4	...	23.278	+31.086	-5	...	...	...	41.027	-31.318	1.65	44.1178	9.2
...	7.465	-39.071	-5	...	...	...	23.692	+46.624	-3	...	...	...	41.218	+50.773	-5	...	...
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	+7.713	+9.375	-5	...	...	...	+23.799	+12.395	-5	a	...	...	+41.297	+46.744	-3	...	...
...	7.810	-30.132	-5	...	...	*	23.941	-5.858	1.80	44.1159	8.8	*	41.407	-29.114	1.35	44.1181	9.4
...	7.812	+51.672	-4	...	...	...	24.068	-56.175	-1	44.1162	10.0	...	41.442	-27.687	-2	44.1182	10.0
...	8.354	+35.899	-4	...	...	*	24.076	-30.655	1.10	44.1160	9.8	*	41.697	-12.277	1.00	44.1180	9.7
...	8.473	-24.645	-3	...	...	*	24.157	+51.511	1.70	43.1103	9.1	†	41.915	+5.070	1.65	43.1113	9.0
...	+8.537	+7.453	-4	...	...	...	+24.434	-11.672	-3	44.1161	10.0	*	+42.116	-53.239	1.25	44.1183	9.4
...	8.829	+50.473	0.70	...	...	...	24.843	+9.706	-4	...	...	*	42.209	+9.236	1.10	43.1114	9.6
...	9.137	+22.948	-3	...	...	S*	25.174	-13.084	1.95	44.1163	8.8	...	42.336	-47.183	-5	...	...
†	9.846	-31.107	-3	...	...	...	25.231	+8.749	-2	...	...	...	43.260	-31.020	-3	...	...
...	10.052	-38.091	-2	...	...	...	25.560	+59.122	-5	...	...	*	43.701	+32.048	1.35	43.1115	9.4
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	+10.168	+48.381	-2	43.1085	10.0	...	+25.682	+27.896	0.70	43.1104	10.0	...	43.900	+53.952	-5	...	...
...	10.318	+1.045	-5	a	...	...	26.257	-47.850	-5	...	...	*	43.922	+23.996	1.05	43.1116	9.6
...	10.330	-30.737	-4	...	...	S*	26.439	-47.890	1.75	44.1164	8.8	*	44.378	+43.751	1.00	43.1117	9.7
...	10.776	+39.612	-3	...	...	...	26.519	-49.045	-4	...	...	...	44.559	-16.510	0.80	44.1184	10.0
...	10.810	-29.398	-5	...	...	...	27.728	-37.956	1.00	44.1166	9.7	†	44.633	-8.080	-3	...	...
...	+11.238	+48.436	-5	...	...	...	+27.820	-13.160	0.80	44.1165	9.9	...	+44.819	+43.265	-5	...	...
...	11.881	+1.632	-3	...	...	...	28.099	-21.020	-2	44.1168	10.0	...	46.187	-55.747	-2	44.1185	10.0
...	11.943	+6.032	-3	...	...	...	28.262	-36.278	-1	44.1169	10.0	...	46.300	+22.723	0.80	43.1118	10.0
...	12.572	-1.165	-3	...	...	...	28.305	-19.801	1.05	44.1167	9.5	...	46.476	+6.791	-2	43.1119	10.0
*	13.227	-15.202	2.00	44.1153	8.8	...	28.850	+50.589	-5	...	...	...	47.173	+2.776	-4	...	...

214. C.P.D., probably includes a star missing from this plate.

276. Mass. 43° 42, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-380						381-393											
361 S*	+47·845	+54·368	2·75	43.1120	8·4	381 ...	+55·252	-26·849	-5	...	...	...	+55·252	-26·849	-5	...	...
...	47·850	+41·466	-5	...	...	...	55·724	+55·016	-4	43.1127	10·0	...	55·724	+55·016	-4	43.1127	10·0
...	48·425	-45·590	-5	...	...	...	56·668	+49·960	0·90	43.1128	9·6	...	56·668	+49·960	0·90	43.1128	9·6
...	48·504	+20·429	3·45	43.1121	7·3	...	56·946	+15·732	1·20	43.1129	9·5	...	56·946	+15·732	1·20	43.1129	9·5
...	48·733	-30·224	-2	...	...	...	57·046	+5·302	0·80	43.1130	9·7	...	57·046	+5·302	0·80	43.1130	9·7
...	+49·916	-17·656	1·30	44.1186	9·4	...	+57·478	-22·923	-1	44.1193	10·0	...	+57·478	-22·923	-1	44.1193	10·0
...	50·032	-9·350	0·90	44.1187	9·6	...	58·539	+46·080	-5	43.1132	10·0	...	58·539	+46·080	-5	43.1132	10·0
...	50·622	+16·814	-3	43.1122	10·0	...	58·539	+28·873	-5	...	...	...	58·539	+28·873	-5	...	...
...	51·094	+8·284	0·80	43.1123	10·0	...	58·654	+56·663	2·10	43.1131	9·0	...	58·654	+56·663	2·10	43.1131	9·0
...	51·202	+39·772	-5	...	...	...	58·687	+29·502	-3	43.1133	10·0	...	58·687	+29·502	-3	43.1133	10·0
371 ...	+51·333	-38·367	0·80	44.1188	9·9	391 *	+58·830	-9·509	1·00	44.1194	9·8	...	+58·830	-9·509	1·00	44.1194	9·8
...	51·573	-2·322	-4	...	...	...	58·849	+30·886	-3	43.1134	10·0	...	58·849	+30·886	-3	43.1134	10·0
...	52·068	+39·798	-5	43.1124	10·0	...	58·950	+16·447	-5	...	...	...	58·950	+16·447	-5	...	...
...	52·099	-19·182	0·70	44.1189	10·0	...											
...	52·408	-10·796	-4	44.1190	10·0	...											
...	* +52·743	+7·826	1·10	43.1125	9·7	...											
...	53·091	-9·578	-4	...	...	...								
...	S* 53·384	-28·097	2·03	44.1191	8·8	...											
...	* 54·465	-28·957	1·70	44.1192	9·1	...											
...	55·022	+28·441	0·90	43.1126	9·8	...											

1-30						31-60						61-90						
...	-58·257	-30·362	-1	...	...	31 *	-53·741	+28·469	1·25	43.1126	9·8	61 *	-47·612	+23·493	1·25	43.1136	9·5
...	58·113	-45·743	-2	...	...	S*	53·674	-28·097	2·00	44.1191	8·8	...	47·456	-8·380	-5	M	...
...	57·913	+39·665	-3	...	...	...	53·565	+30·298	-3	...	...	...	47·298	+14·301	-5	M	...
...	57·889	-21·673	-3	...	...	...	53·552	+28·846	-3	...	...	...	* 47·259	-0·798	0·95	43.1137	10·0
...	57·802	+16·716	0·85	43.1122	10·0	...	53·413	+49·347	-5	...	...	...	...	47·164	+17·902	0·70	...
...	* -57·595	-9·455	1·20	44.1187	9·6	...	-52·851	-21·145	-5	M	...	...	...	-46·758	+31·704	-5	M
...	57·488	+58·393	-5	...	...	...	52·764	+50·036	1·90	43.1128	9·6	...	...	46·515	+39·280	-5	M
...	* 57·462	-17·764	1·50	44.1186	9·4	...	52·643	-0·805	-4	M	...	...	...	† 46·493	-49·891	-5	...
...	57·069	+8·194	1·05	43.1123	10·0	...	* 52·572	-28·921	2·00	44.1192	9·1	46·344	-42·272	1·00	44.1195
...	57·046	+39·720	-2	43.1124	10·0	...	52·396	+8·521	-5	M	46·180	-2·135	-4	M
II						41						71						
...	-56·941	+51·716	-5	...	...	...	-52·344	-29·873	-4	...	...	...	* -46·089	+2·356	0·95	43.1138	10·0
...	56·876	+21·742	-4	52·250	+0·938	-4	M	46·062	-48·624	2·00	44.1196	9·4
...	56·841	+30·005	-5	M	52·103	-11·372	-2	45·980	+54·208	0·90	43.1140	10·0
...	56·820	+30·541	-5	M	...	...	51·841	-26·776	-1	...	...	...	...	45·972	-31·386	-5	M
...	56·468	-29·116	-4	...	...	...	* 51·449	+15·823	1·30	43.1129	9·5	...	...	45·920	+44·001	-4	...
...	-56·304	+46·663	-5	M	-51·261	+5·442	-5	M	-45·647	-53·783	-5	M
...	56·259	-2·389	0·90	* 51·036	+5·393	1·10	43.1130	9·9	...	S*	45·615	+2·894	1·95	43.1139	8·8
...	55·646	-32·020	-3	...	...	...	* 50·989	+56·776	2·50	43.1131	9·0	...	...	45·604	-49·092	-5	...
...	* 55·408	-38·424	1·10	44.1188	9·9	...	50·771	-11·886	-4	M	45·469	-32·675	1·00	44.1197
...	* 55·404	+7·789	1·30	43.1125	9·7	...	50·762	+46·204	0·95	43.1132	10·0	45·411	+22·964	0·75	...
21						51						81						
...	-55·228	-19·229	1·00	44.1189	10·0	...	-50·246	+29·003	-1	...	...	...	† -45·227	-24·829	-4	...	
...	55·175	-10·826	0·80	44.1190	10·0	...	50·110	+29·634	0·95	43.1133	10·0	...	* 44·867	-25·549	1·00	43.1141	9·9	
...	55·100	+28·315	-4	...	...	...	50·016	+31·021	-1	43.1134	10·0	...	...	44·647	-52·226	-4	...
...	54·588	-27·065	-3	...	...	...	49·849	+15·299	0·70	...	...	...	...	44·544	-31·235	0·65	...
...	54·556	-9·599	0·95	...	...	...	49·747	-22·791	1·00	44.1193	10·0	...	...	† 44·512	-34·909	-3	...
...	-54·309	+4·409	-2	-49·474	+16·578	0·70	-44·381	-5·103	0·90	...
...	54·249	+4·241	-4	M	49·416	+55·308	0·80	43.1135	9·9	44·281	-15·660	-4	...
...	54·192	+49·564	-5	* 48·801	-9·346	1·10	44.1194	9·8	44·156	-55·418	-5	...
...	54·127	+10·565	-4	48·431	+39·086	-5	44·150	-20·525	-5	M
...	53·881	+55·029	-1	43.1127	10·0	...	48·171	+57·778	-2	44·097	-59·231	-4	...

L measured from 1, 310, 682.
MC " " 118, 465, 832.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-43°853	+14°279	1.00	...	...	151	-36°086	-5°852	-3	B	...	211	-30°137	+19°310	0.80	...	...
...	43°845	+12°169	-5	M	...	...	36°053	+22°108	-3	M	...	...	30°084	-33°463	-4	M	...
...	43°584	+14°778	-4	M	...	...	35°922	-49°203	-5	...	...	...	29°971	+22°475	-5	M	...
...	43°289	-22°196	-2	...	...	...	35°721	+12°292	-5	M	...	...	29°907	+40°506	-5	M	...
...	43°255	+39°576	-4	...	...	...	35°705	+2°637	-3	M	...	...	29°842	+21°238	-2	...	...
*	-43°224	+12°642	1.10	43.1142	9.8	...	-35°210	-59°358	-4	...	...	...	-29°790	-31°937	-4	M	...
...	43°180	+37°215	-1	...	...	...	35°148	-33°717	-5	M	...	...	29°756	-55°183	-4	...	...
*	43°154	-55°372	2.00	44.1198	9.2	+	35°126	-49°087	2.00	44.1207	9.0	...	29°597	-19°084	-5	M	...
...	43°039	+11°332	0.65	...	...	...	35°120	-19°403	-2	A	...	*	29°495	+38°361	2.30	43.1152	8.5
...	42°349	+55°435	-4	...	...	*	34°887	-9°469	1.00	44.1208	10.0	...	29°444	+44°387	-5	M	...
101	-42°088	-20°614	-2	A	...	161	-34°703	+43°575	-5	M	...	221	-29°307	+23°509	-2	A	...
...	41°997	-5°836	-4	M	...	...	34°487	+7°314	-4	M	...	...	29°153	-22°965	-5	M	...
...	41°870	-33°330	0.75	44.1199	10.0	...	34°415	-13°768	-4	M	...	...	29°097	-43°481	-3	...	...
...	41°779	-35°593	-3	...	...	...	34°406	+59°079	1.00	42.1167	10.0	...	28°994	+31°692	-2	...	...
†	41°726	+24°775	-5	M	...	...	34°402	-28°088	-3	A	...	...	28°916	-15°858	-5	M	...
...	-41°593	+20°181	-5	M	...	...	-34°214	-22°925	-5	M	...	†	-28°868	-59°836	-5	...	...
...	41°574	+6°430	-5	M	...	...	34°112	+11°431	-3	A	...	...	28°822	+1°933	-5	M	...
...	41°462	-46°729	-1	...	...	*	33°961	+9°685	1.10	43.1148	9.7	...	28°721	-3°683	-3	A	...
*	41°027	+45°324	1.35	43.1143	9.9	...	33°736	+11°646	-3	A	...	...	28°663	-55°190	-4	...	...
...	40°767	+10°834	-5	M	...	...	33°694	+51°826	-5	...	...	*	28°633	+16°296	1.20	43.1153	9.6
111	-40°725	-40°984	-1	...	...	171	-33°577	-6°254	-2	A	...	231	-28°544	+53°094	1.20	43.1154	9.8
...	40°608	-5°371	0.70	...	...	...	33°353	+29°890	-4	M	...	*	28°541	+50°187	1.10	43.1155	10.0
*	40°397	-10°674	0.95	44.1201	10.0	†	33°133	+49°736	-4	...	...	*	28°439	-42°546	1.05	44.1213	10.0
...	40°390	-58°339	-5	M	...	...	33°043	+53°727	0.95	...	...	...	28°354	-25°610	-5	M	...
*	40°276	-41°039	1.30	44.1200	9.8	...	33°009	+20°195	-5	M	...	*	28°314	-5°425	0.90	44.1214	10.0
...	-40°200	-34°512	-5	M	...	...	-32°959	-39°698	-5	M	...	...	-28°088	+35°738	0.95	...	...
...	40°120	-30°682	-5	M	...	...	32°865	+3°319	0.85	...	...	*	28°055	+6°066	1.00	43.1156	9.9
†	40°008	+15°656	-3	A	...	...	32°852	-8°773	0.75	...	...	...	27°890	-21°527	0.85	...	...
...	39°900	-13°038	-4	M	...	...	32°839	-52°257	-5	M	...	...	27°820	+38°777	-4	M	...
*	39°629	+13°223	1.50	43.1144	9.4	...	32°770	+37°920	0.65	...	...	...	27°806	-29°811	-1	...	...
121	-39°558	-54°906	1.10	44.1202	9.9	181	-32°637	-47°067	-4	...	...	241	-27°638	+3°117	-5	M	...
...	39°172	+13°399	-3	A	...	...	32°612	-15°703	0.85	...	...	...	27°624	+26°305	-5	M	...
*	39°066	+9°027	1.50	43.1145	9.6	a*	32°597	+0°096	1.30	43.1149	9.4	*	27°594	-50°357	1.60	44.1215	9.4
†	38°767	-25°062	0.90	44.1203	10.0	...	32°451	+5°800	-4	M	...	...	27°565	-22°311	-4	M	...
...	38°731	+40°583	-1	...	...	...	32°380	+58°960	-4	...	...	*	27°332	-28°948	1.00	44.1216	10.0
...	-38°673	+17°846	0.65	...	...	*	-32°334	-35°330	2.00	44.1209	9.0	...	-27°302	-43°148	-5	M	...
...	38°546	+47°054	0.85	...	...	*	32°142	+1°401	1.20	43.1150	9.5	*	26°935	-49°709	1.60	44.1217	9.4
...	38°520	+24°187	-4	M	...	...	32°115	-35°573	-4	M	...	...	26°643	+35°431	-4	M	...
*	38°278	+13°064	1.00	43.1146	10.0	...	32°108	+12°081	-4	M	...	...	26°583	-51°310	1.20	44.1218	10.0
...	38°131	-7°673	-3	B	...	...	32°099	+17°150	-4	M	...	...	26°520	+2°819	-4	M	...
131	-38°080	-32°520	-4	M	...	191	-32°001	+55°340	-4	...	...	251	-26°412	+37°499	-4	M	...
*	37°901	-41°497	1.00	44.1204	10.0	...	31°962	+6°456	-3	A	...	...	26°312	-2°250	-3	M	...
*	37°758	+5°351	1.10	43.1147	9.9	...	31°949	-39°384	0.80	...	...	...	26°067	+27°666	-1	...	...
...	37°606	+12°555	-4	M	...	...	31°933	-28°895	-1	...	...	...	25°998	+9°088	-3	A	...
...	37°430	+11°600	-3	...	...	...	31°839	+35°346	-5	M	...	...	25°814	+45°937	-5	M	...
S*	-37°388	-8°554	1.90	44.1205	9.0	...	-31°831	+21°881	-2	...	...	*	-25°723	+37°518	1.30	43.1157	9.6
*	37°327	-4°441	1.10	44.1206	9.6	...	31°644	-7°375	-2	A	...	...	25°510	-37°759	0.90	...	...
...	37°289	+17°043	0.65	...	...	...	31°596	-26°776	-5	M	...	†	24°996	-22°694	-4	M	...
...	37°168	-5°317	-4	M	...	*	31°528	-25°622	1.40	44.1210	9.5	...	24°893	+51°550	-1	...	...
...	36°998	-51°960	-5	M	...	...	31°481	-24°731	-4	M	...	*	24°815	+3°741	1.30	43.1158	9.6
141	-36°929	+1°483	-3	B	...	201	-31°443	-3°839	-2	A	...	261	-24°628	+41°595	0.70	...	...
...	36°918	+0°664	-3	A	...	...	31°285	+5°139	-5	M	...	...	24°594	+32°267	-5	M	...
...	36°570	-3°366	-5	M	...	...	31°215	+6°620	-4	M	...	...	24°554	+36°824	-4	M	...
...	36°359	-4°138	-5	M	...	...	31°112	-2°354	0.85	44.1211	10.0	...	24°431	+31°310	-3	...	...
...	36°290	+0°712	-3	A	...	...	30°825	-12°407	-1	A	...	...	24°250	+46°272	0.70	...	...
...	-36°268	-55°953	-4	...	...	*	-30°800	+36°180	1.10	43.1151	10.0	...	-24°100	-33°278	-5	M	...
...	36°196	+4°012	-3	A	...	...	30°757	+3°457	-5	M	...	...	24°019	-9°748	-5	M	...
...	36°172	-14°725	-2	B	...	...	30°722	-18°521	-5	M	...	...	23°920	+29°153	0.65	...	...
...	36°166	-43°075	-3	...	...	...	30°609	+15°447	-4	M	...	...	23°865	+23°821	0.70	...	...
...	36°161	-57°252	-3	...	...	...	30°443	+2°388	-4	M	...	...	23°740	-21°305	-1	...	...

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
271-330							331-390							391-450						
271	-23·734	+45·390	0·80	...	...	...	331	-16·611	+28·727	-3	...	...	...	391	-9·006	+53·968	-5	...	...	...
...	23·487	-28·694	1·00	44·1219	10·0	...	...	16·581	-43·057	-3	...	...	...	...	8·986	-29·437	1·05	43·1170	9·9	...
...	23·479	+27·095	-5	M	...	...	...	16·526	+17·714	0·80	...	...	...	...	8·694	-52·280	-5	M	...	...
...	23·478	-24·149	-4	M	...	...	...	16·461	-18·450	0·65	...	...	...	...	8·291	-48·025	0·80	...	...	...
...	23·458	-24·916	-1	...	...	...	...	16·432	-38·764	-5	M	...	...	...	8·250	+12·038	-5	M	...	...
...	* 23·451	+17·664	0·95	43·1159	10·0	...	...	16·393	+43·132	0·90	...	...	...	...	-8·157	-38·950	-5	M	...	...
...	23·228	-9·935	-3	B	...	...	...	16·311	+13·666	-5	M	...	...	...	8·062	-21·740	-5	M	...	...
...	23·203	+51·728	-4	M	...	...	...	16·100	+20·625	-3	M	...	...	...	7·919	-9·087	-5	M	...	...
...	22·920	-33·879	-4	M	...	...	...	16·043	+11·497	-2	A	...	...	...	7·907	49·914	1·00	44·1232	10·0	...
...	22·827	-53·304	-4	M	...	...	...	15·516	-30·949	-4	M	...	...	...	7·902	+44·530	-5	M	...	...
281	...	...	...	...	...	...	341	...	...	...	...	...	...	401	...	...	...	...	...	...
...	-22·677	+25·338	-3	A	...	...	...	-15·150	+40·835	1·40	43·1163	9·4	...	...	7·825	-34·456	2·00	43·1171	9·0	...
...	22·571	+31·682	-1	...	...	...	...	14·993	-17·409	-2	A	...	...	...	7·788	-13·851	-4	M	...	...
...	22·303	-0·870	-5	M	...	...	...	14·908	-3·092	-4	M	...	...	...	7·548	+7·625	-5	M	...	...
...	22·300	-6·653	-1	B	...	...	...	14·670	+25·284	-3	M	...	...	...	7·210	-22·157	-3	B	...	...
...	22·164	-40·440	-3	...	...	...	...	14·638	-19·420	-5	M	...	...	...	7·161	-35·355	0·65	...	...	...
...	-21·995	-35·346	-4	M	...	...	...	-14·617	+26·162	-1	...	...	...	...	-7·149	-3·072	-2	B	...	...
...	21·977	-59·040	1·10	44·1221	10·0	...	...	14·488	+55·896	1·90	43·1164	9·4	...	...	6·986	-57·593	-1	44·1233	10·0	...
...	21·906	-40·408	-1	...	...	...	...	14·308	-34·718	-4	M	...	...	...	6·936	+45·221	0·75	...	...	...
...	21·890	-17·666	0·70	...	...	...	...	14·195	+40·499	1·00	43·1165	10·0	...	...	6·798	-36·048	-4	M	...	...
...	21·703	-21·771	-5	M	...	...	...	14·125	+42·586	-5	M	...	...	...	6·774	-1·678	-4	M	...	...
291	...	...	...	...	...	...	351	...	...	...	...	...	...	411	...	...	...	...	...	...
...	-21·504	+45·938	-5	M	...	...	...	-14·093	+24·373	-5	M	...	...	...	6·674	-36·010	1·20	44·1234	9·5	...
...	21·443	+37·499	-3	...	...	...	...	13·655	-29·324	0·75	...	...	...	...	6·569	-23·758	1·10	43·1172	9·6	...
...	21·398	-43·939	-5	M	...	...	...	13·645	+39·527	1·15	43·1166	9·6	...	...	6·444	-33·191	-4	M m	...	...
...	21·374	+38·527	-4	...	...	...	...	13·475	-32·202	-4	M	...	...	...	6·253	-1·289	-2	B	...	...
...	* 21·326	+10·997	1·20	43·1160	9·7	...	...	13·402	-16·807	0·95	...	...	...	...	6·196	-41·796	0·65	...	...	...
...	-21·173	-10·189	-5	M	...	...	...	-13·316	-16·321	0·65	...	...	...	...	6·035	-14·883	-4	M	...	...
...	21·140	+9·423	-4	M	...	...	...	13·293	-31·634	-4	M	...	...	...	5·856	-25·034	1·00	44·1235	9·8	...
...	21·044	-31·471	-4	M	...	...	...	13·157	-51·541	-5	M	...	...	...	5·625	-49·611	-5	M m	...	...
...	* 20·918	+46·831	1·00	43·1161	10·0	...	...	12·887	-3·167	0·70	B	...	...	...	5·519	-41·504	1·00	...	...	...
...	20·854	-35·815	-5	M	...	...	...	12·596	-16·934	0·90	...	...	...	...	5·518	+8·808	-5	M	...	...
301	...	...	...	...	...	...	361	...	...	...	...	...	...	421	...	...	...	...	...	...
...	-20·780	-44·713	-2	...	...	...	...	-12·515	-10·029	-4	M	...	...	...	5·497	-16·227	1·15	44·1326	9·6	...
...	20·634	+42·180	-2	...	...	...	...	11·972	-40·853	-3	A	...	...	...	5·333	+1·204	-2	A	...	...
...	20·588	-4·760	-2	A	...	...	...	11·812	+38·847	0·95	43·1167	10·0	...	...	5·306	+16·685	1·00	43·1173	10·0	...
...	20·555	-12·943	0·65	...	...	...	...	11·715	+2·101	-5	M	...	...	...	5·284	+31·539	-5	M	...	...
...	20·463	-39·001	-3	...	...	...	...	11·679	-46·272	-4	...	...	...	...	5·212	-3·6718	-4	M m	...	...
...	* 20·438	-21·749	0·85	44·1222	10·0	...	...	-11·543	+48·734	1·00	44·1227	10·0	...	...	5·149	-4·180	-4	M m	...	...
...	20·418	+38·361	-1	...	...	...	...	11·496	+19·155	-4	M	...	...	...	5·044	+37·575	-5	M	...	...
...	20·373	+11·345	-4	M	...	...	...	11·473	-13·437	-5	M	...	...	...	4·044	-0·898	0·80	A m	...	...
...	† 20·142	-39·197	-4	M	...	...	...	11·437	-48·631	-5	M	...	...	...	4·003	+7·580	0·80	m	...	...
...	19·768	+4·061	-5	M	...	...	...	11·433	-39·201	1·10	44·1228	10·0	...	...	3·996	-19·981	-5	M m	...	...
311	...	...	...	...	...	...	371	...	...	...	...	...	...	431	...	...	...	...	...	...
...	-19·675	+56·672	-5	...	...	...	...	-11·367	+8·574	-5	M	...	...	...	3·904	+49·757	-3	...	...	...
...	19·673	+57·171	-5	...	...	...	...	11·283	-22·353	-5	M	...	...	...	3·882	-45·888	1·05	44·1237	10·0	...
...	19·595	-54·274	-1	44·1223	10·0	...	...	11·258	+23·209	0·90	...	...	...	...	3·826	-50·450	-5	M m	...	...
...	19·349	+14·652	-5	M	...	...	...	11·176	-33·844	-4	M	...	...	...	3·582	+3·840	0·75	m	...	...
...	19·348	-24·966	0·85	...	...	...	...	11·037	-58·772	-5	M	...	...	...	3·152	+1·520	-5	M m	...	...
...	-19·193	-16·226	0·80	...	...	...	...	-10·935	+1·529	0·70	A	...	...	...	3·026	-47·123	-5	M m	...	...
...	19·098	-22·139	-2	A	...	...	...	10·730	-39·390	-4	M	...	...	...	2·746	-51·640	-5	M m	...	...
...	18·942	+3·944	0·70	...	...	...	...	10·686	+26·795	0·90	...	...	...	...	2·734	-22·375	-2	A m	...	...
...	* 18·903	+3·508	1·00	44·1224	10·0	...	...	10·684	-51·153	1·10	44·1229	9·9	...	...	2·730	-19·074	-5	M m	...	...
...	18·715	-58·313	-5	...	...	...	...	10·242	-38·147	-5	M	...	...	...	2·657	-21·089	-4	M m	...	...
321	...	...	...	...	...	...	381	...	...	...	...	...	...	441	...	...	...	...	...	...
...	-18·066	+36·023	-5	M	...	...	...	-10·204	+23·549	0·95	...	...	...	...	2·544	+48·865	-3	...	...	...
...	* 17·944	-41·162	1·30	44·1225	9·6	...	...	10·053	-7·557	1·30	44·1230	9·4	...	...	2·535	-2·800	-5	M m	...	...
...	17·710	-27·041	-4	M	...	...	...	9·952	+49·824	1·40	43·1168	9·2	...	...	2·481	+52·577	0·65	...	...	...
...	S* 17·563	-45·703	2·00	44·1226	8·6	...	...	9·860	-1·390	-3	M	...	...	...	2·200	-0·269	-5	M m	...	...
...	17·543	-8·593	-1	B	...	...	...	9·713	-22·039	1·00	44·1231	10·0	...	...	2·072	-35·750	1·10	44·1238	9·9	...
...	-17·423	-17·729	0·65	...	...	...	...	-9·672	-33·472	-3	M	...	...	...	-1·982	-8·123	-5	M m	...	...
...	17·309	+26·095	-4	M	...	...	...	9·568	-46·013	-4	M	...	...	...	1·948	-48·640	-5	M m	...	...
...	16·850	+37·671	-4	M	...	...	...	9·260	+17·978	-3	M	...	...	...	1·940	-17·340	-5	M m	...	...
...	16·616	+15·559	-4	M	...	...	...	9·217	+11·579	-2	...	...	...	...	1·864	-2·628	-5	M m	...	...
...	* 16·613	+4·001	1·00	43·1162	9·9	S*	...	9·141	+44·488	4·40	43·1169	6·8	...	...	1·734	-10·885	0·85	M	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-510						511-570						571-630					
451	- 1'685	+ 51'678	- 5	...	...	511	+ 3'412	- 26'968	- 5	M m	...	571	+ 8'999	+ 15'618	0.65	...	...
...	1'635	+ 15'620	- 4	M m	...	...	3'437	- 32'850	- 1	m	...	...	* 9'091	- 6'817	1.10	44.1252	9.9
...	1'612	+ 3'736	- 4	M m	...	...	3'474	+ 36'844	- 3	...	...	...	9'171	+ 49'882	- 5	m	...
...	1'516	+ 56'548	0.95	...	...	...	3'491	+ 26'773	- 3	M m	...	...	9'221	- 57'863	- 3	...	...
...	1'418	+ 41'164	- 5	M m	...	...	3'491	+ 6'310	- 5	M m	...	...	* 9'277	+ 5'856	1.00	43.1185	10.0
...	- 1'332	+ 7'294	0.65	A m	...	...	+ 3'623	+ 38'814	- 4	M m	...	...	+ 9'388	- 42'570	- 4	...	...
...	1'274	+ 9'741	- 5	M m	...	...	3'857	- 6'365	- 3	M m	...	...	* 9'476	- 36'613	1.50	44.1253	9.4
...	1'197	- 42'194	- 3	M m	...	...	3'986	+ 9'975	- 3	M m	...	...	9'500	+ 36'232	- 5	m	...
...	1'035	- 8'473	0.80	A m	...	...	4'100	+ 44'965	- 1	...	...	n †	9'660	+ 31'837	4.90	43.1186	7.2
...	1'005	+ 35'208	- 5	M m	...	...	* 4'133	- 34'104	1.00	44.1248	9.8	...	9'736	+ 7'787	- 4	m	...
461	...	...	...	...	...	521	...	...	...	...	...	581	...	...	...	...	...
*	- 0'618	+ 13'912	1.00	...	...	+	4'587	+ 47'382	0.65	...	...	...	+ 9'753	+ 48'938	- 3	...	...
*	0'574	+ 42'223	1.10	43.1174	9.6	S*	4'594	+ 32'938	1.88	43.1180	9.2	†	9'822	- 27'827	- 4	m	...
...	0'422	+ 10'677	0.80	A m	...	...	4'741	+ 21'659	- 5	M m	...	†	9'892	- 4'386	- 5	m	...
*	0'253	+ 46'409	1.00	43.1175	10.0	...	4'913	- 27'665	- 4	M m	...	...	9'924	- 35'529	- 3	...	...
...	0'060	- 57'494	- 5	M m	...	...	4'956	- 6'962	- 4	M m	...	...	9'938	+ 4'762	- 1	a	...
...	- 0'043	+ 37'924	0.75	...	...	+	5'162	+ 24'528	- 3	m	...	n †	+ 9'952	+ 31'663	3.40	43.1186	7.2
...	+ 0'003	- 56'689	- 4	...	...	...	5'215	- 38'838	- 4	M m	...	...	9'959	+ 47'773	- 4	...	...
...	0'080	+ 58'239	- 5	m	...	...	5'340	- 42'286	- 5	M m	...	...	9'988	+ 7'863	- 4	m	...
...	0'251	+ 27'983	- 3	M m	...	*	5'560	+ 29'643	0.90	43.1181	10.0	S*	10'253	- 30'673	2.40	44.1254	8.4
...	0'375	- 4'087	- 5	M m	...	...	5'759	- 56'659	- 2	...	...	...	10'327	- 42'005	- 1	...	...
471	...	...	...	...	...	531	...	...	...	...	...	591	...	...	...	...	...
...	+ 0'411	- 42'292	- 5	M m	...	+	5'831	- 12'441	- 1	b	...	...	+ 10'480	- 50'376	- 5	m	...
...	0'453	- 43'041	0.80	44.1241	10.0	†	5'864	- 49'941	1.00	44.1249	10.0	...	10'521	+ 6'095	- 5	m	...
*	0'617	- 16'329	1.00	44.1240	10.0	...	6'006	+ 57'078	- 3	...	...	...	10'870	+ 7'595	- 5	m	...
...	0'646	- 8'918	- 4	M m	...	...	6'024	- 11'635	- 5	m	...	...	11'142	+ 48'773	- 4	m	...
...	0'716	- 8'059	- 4	M m	...	...	6'073	- 16'576	- 1	...	...	...	11'154	+ 15'566	- 4	m	...
...	+ 0'793	- 22'597	- 4	M m	...	+	6'281	+ 17'432	- 3	m	...	...	+ 11'436	- 14'203	- 4	m	...
...	0'823	+ 42'958	- 4	M m	...	...	6'290	+ 10'524	- 5	m	...	...	11'694	+ 30'167	0.95	43.1187	10.0
...	0'829	- 17'634	- 3	M m	...	...	6'314	- 16'354	- 5	m	...	...	11'702	- 44'816	- 5	m	...
...	0'905	+ 28'144	0.75	...	...	...	6'369	- 13'554	+ 5	m	...	...	11'757	+ 31'722	- 2	...	...
*	0'918	+ 47'332	1.20	43.1176	9.6	...	6'377	+ 48'483	- 4	...	...	...	12'141	- 24'712	- 3	...	...
481	...	...	...	...	...	541	...	...	...	...	...	601	...	...	...	...	...
*	+ 1'135	- 37'127	1.70	44.1243	9.2	+	6'395	+ 52'196	- 5	m	...	...	+ 12'156	+ 25'301	- 4	m	...
*	1'142	- 38'695	1.05	44.1242	9.7	...	6'429	+ 28'456	- 4	m	...	...	12'232	- 7'745	- 4	m	...
...	1'158	+ 17'989	- 4	M m	...	*	6'564	- 53'291	1.10	44.1250	9.7	*	12'316	- 21'396	1.30	44.1255	9.5
...	1'222	+ 3'878	- 3	M m	...	...	6'619	- 37'464	- 4	m	...	...	12'406	+ 34'285	- 4	m	...
...	1'448	- 34'956	1.00	44.1244	9.8	...	6'653	+ 40'825	- 4	m	...	...	12'535	+ 3'431	- 3	m	...
...	+ 1'532	+ 23'892	- 3	M m	...	+	6'662	- 29'230	- 2	a	...	...	+ 12'574	- 22'052	0.65	...	...
...	1'575	- 29'763	- 2	A m	...	...	6'768	+ 42'124	0.90	43.1182	10.0	...	12'856	- 48'662	- 2	...	...
...	1'591	+ 20'427	- 2	A m	...	...	6'849	- 13'387	- 1	b	...	...	12'974	- 21'429	- 4	m	...
...	1'780	+ 6'579	- 2	A m	...	...	6'968	+ 32'435	- 2	...	...	...	13'010	+ 31'458	0.70	...	...
...	1'876	+ 53'322	0.75	...	...	...	7'429	+ 49'883	0.95	...	...	...	13'076	- 4'318	0.70	...	...
491	...	...	...	...	...	551	...	...	...	...	...	611	...	...	...	...	...
...	+ 1'886	- 18'842	0.70	...	...	+	7'480	- 40'692	- 4	m	...	...	+ 13'108	- 29'832	- 3	a	...
...	2'027	- 30'191	- 3	A m	...	...	7'500	+ 26'419	- 5	m	...	...	13'343	+ 46'989	- 3	...	...
...	2'207	+ 20'222	- 3	M m	...	*	7'516	- 30'536	1.00	44.1251	10.0	...	13'476	- 16'608	0.70	a	...
...	2'331	- 43'295	- 3	M	...	...	7'553	+ 17'531	- 4	m	...	...	13'503	+ 30'859	- 4	m	...
...	2'420	+ 43'785	- 4	M m	...	...	7'585	+ 0'583	- 1	a	...	...	13'558	- 24'005	- 3	a	...
*	+ 2'436	+ 6'177	1.05	43.1178	10.0	+	7'735	+ 15'471	0.65	...	...	...	+ 13'573	- 23'422	- 5	m	...
*	2'510	+ 40'158	1.70	43.1177	9.4	...	7'751	- 8'914	0.90	...	...	...	13'618	- 36'334	- 3	...	...
*	2'523	- 52'575	2.00	44.1245	8.8	...	7'791	+ 35'745	- 4	m	...	...	13'774	- 26'541	- 4	m	...
...	2'548	+ 16'619	- 4	M m	...	...	7'947	- 0'572	- 4	m	...	...	13'986	+ 53'285	- 5	m	...
...	2'550	+ 3'033	- 4	M m	...	*	8'049	+ 57'175	1.00	43.1183	9.8	...	14'093	- 36'497	- 3	a	...
501	...	...	...	...	...	561	...	...	...	...	...	621	...	...	...	...	...
*	+ 2'569	+ 7'292	1.20	43.1179	9.6	+	8'068	+ 56'749	- 1	...	...	...	+ 14'196	- 8'784	- 4	m	...
...	2'830	+ 52'158	- 5	M m	...	...	8'134	- 0'210	0.85	...	...	...	14'223	+ 24'358	- 2	...	...
...	2'924	+ 56'188	- 3	...	...	...	8'321	+ 20'781	- 4	m	...	...	14'227	- 40'464	- 3	a	...
*	2'948	- 18'318	0.95	44.1246	10.0	*	8'327	+ 34'632	1.90	43.1184	8.8	...	14'547	- 43'778	- 2	...	...
...	3'039	- 6'487	- 3	M m	...	...	8'414	- 47'882	- 5	m	...	...	† 14'587	+ 24'826	3.00	43.1188	8.1
...	+ 3'054	- 33'292	- 4	M m	...	+	8'558	- 22'969	- 5	m	...	...	+ 14'679	+ 25'243	- 1	...	...
...	3'131	- 38'197	- 4	M m	...	...	8'826	+ 35'388	0.65	...	...	†	14'840	+ 34'201	0.90	43.1189	10.0
*	3'178	- 56'291	1.00	44.1247	9.9	...	8'878	- 52'594	- 3	...	...	...	14'950	- 16'785	- 3	m	...
*	3'180	+ 37'877	0.95	...	...	...	8'938	+ 32'460	- 1	...	...	...	15'066	+ 27'463	- 4	m	...
...	3'218	- 38'777	- 3	...	...	...	8'980	+ 11'718	- 5	m	...	...	15'077	- 58'904	- 1	44.1257	10.0

579, 586. C.P.D., suspected double.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
631-690						691-750						751-810								
631	+15.164	+26.386	-5	m	...	691	+20.686	-39.359	-3	a	...	751	+28.056	+47.086	1.20	43.1196	10.0	...	...
...	15.240	-18.609	-5	m	...	...	20.715	-4.160	-1	a	...	...	28.061	+15.094	-3	m	...	...	...
...	15.319	+37.786	-2	...	...	...	20.932	+53.128	-3	...	...	...	28.089	-16.748	-2	a	...	...	...
...	15.330	+45.623	-4	m	...	...	20.935	-19.948	1.00	44.1259	9.6	...	28.108	-26.492	-5	m	...	...	...
...	15.381	+13.204	-3	m	...	...	21.156	+45.978	0.95	43.1193	10.0	...	28.351	+17.496	-3	...	...	...	...
...	+15.443	-31.359	1.00	44.1256	9.7	...	+21.337	+23.699	-5	m	...	...	+28.455	-24.843	-5	m	...	...	...
...	15.512	-52.041	-5	m	...	...	21.443	-12.691	0.95	44.1260	10.0	...	28.538	-10.955	-3	b	...	...	...
...	15.576	-55.677	-4	m	...	...	21.532	-4.449	-4	m	...	...	28.574	+22.665	0.90	43.1197	10.0	...	...
...	16.011	-54.865	-4	m	...	...	21.892	-1.472	-1	a	...	...	28.676	-9.652	-5	m	...	...	...
...	16.087	-28.122	0.70	...	...	...	21.940	+1.422	-4	m	...	...	* 28.691	+8.840	1.00	43.1198	10.0	...	...
641	+16.248	-1.799	1.00	43.1190	10.0	701	+21.989	+43.918	-4	...	...	761	+28.885	+46.674	-2	...	...	...	...
...	16.275	-24.346	-4	m	22.015	+11.318	-4	m	29.138	-21.923	-5	m
...	16.642	+21.060	-2	...	...	...	22.146	+20.609	0.70	...	...	...	29.172	-8.870	0.70	...	...	...	...
...	16.785	-41.447	-5	m	...	...	22.220	-20.330	-5	m	...	...	...	29.288	+37.057	0.70	...	...	...
...	16.831	+44.539	-5	m	...	...	22.234	+20.773	0.75	...	...	...	* 29.379	-24.091	1.00	44.1263	9.9	...	...
...	+16.837	+3.547	0.65	...	...	...	+22.373	-10.993	-4	m	...	...	...	+29.521	+56.179	...	...	...	...
...	17.032	+30.106	-4	m	...	...	22.637	+19.938	0.70	...	...	...	...	29.561	+41.475	-3	...	...	...
S*	17.131	+34.130	2.00	43.1191	8.6	...	22.704	-30.798	-5	m	...	...	...	29.582	+49.054	-2	...	...	...
...	17.190	-26.016	-4	m	...	...	22.710	-29.098	-2	a	...	...	...	† 29.743	+17.059	-4	...	...	...
...	17.256	-24.022	-4	m	...	...	22.842	+57.589	-5	...	...	...	...	† 29.752	+6.977	-5	m	...	...
651	+17.301	-35.056	-5	m	...	711	+22.906	+6.589	-5	m	...	771	+30.082	+6.884	-4	m	...	...	...
...	17.329	+41.715	0.75	...	...	...	22.963	+14.189	0.90	...	...	...	* 30.309	+22.584	1.30	43.1199	9.4	...	...
...	17.472	-48.680	-4	m	23.003	+5.540	-4	m	30.332	-3.272	-4	m
...	17.506	+54.770	0.95	...	...	...	23.115	-10.562	-5	m	...	...	...	30.477	-23.076	0.70	...	...	...
...	17.562	-40.990	0.65	...	...	...	* 23.149	-14.112	1.00	44.1261	9.7	...	...	30.827	+51.468	-1	...	...	...
...	+17.564	+30.955	-5	m	...	...	+23.199	-15.017	0.80	...	...	...	* 30.887	+43.715	1.10	43.1200	9.9	...	...
...	17.602	+29.251	0.90	...	...	...	* 23.374	+55.258	1.90	43.1194	9.2	...	* 30.986	-18.690	1.00	44.1264	10.0	...	...
...	17.619	-19.479	0.65	...	...	...	23.582	-36.358	-4	m	...	...	...	31.161	+33.576	-3	...	...	...
...	* 17.620	+23.130	0.95	43.1192	10.0	...	23.695	-42.569	-5	m	...	...	...	31.194	+7.390	0.65	...	...	...
...	† 17.773	+19.917	-5	m	...	...	23.773	+10.682	-5	m	...	...	...	31.259	-1.498	-5	m	...	...
661	+17.820	+15.088	-4	m	...	721	+23.804	-42.486	-4	m	...	781	+31.531	+30.740	0.80	...	...	...	...
...	17.849	+5.676	-4	m	...	...	23.808	+28.854	-5	m	...	...	...	31.551	-11.951	-5	m	...	...
...	17.950	-47.518	-5	m	23.882	+39.463	-5	m	31.803	-59.317	-1	44.1265	10.0
...	17.979	-15.475	-3	b	23.964	-18.743	-1	a	a*	32.213	+0.039	1.00	43.1201	10.0
...	18.058	-3.278	-4	m	24.274	-27.050	-4	m	*	32.271	-33.907	1.00	44.1266	9.9
...	+18.115	+47.630	-3	...	...	...	+24.345	+39.403	0.70	...	...	...	...	+32.745	-48.534	-1	...	...	...
...	* 18.179	-51.086	1.20	44.1258	9.7	...	24.361	+15.964	-5	m	...	...	...	32.755	+24.023	-4	m	...	...
...	18.200	-14.581	-4	m	...	...	24.627	+11.930	-5	m	...	...	...	32.830	+32.258	-4	...	...	...
...	18.337	-28.788	-4	m	...	...	24.898	-43.975	-5	m	...	...	...	32.917	+56.364	-1	...	...	...
...	18.542	+24.216	-3	m	...	...	* 24.982	+56.991	1.60	43.1195	9.6	...	...	33.110	-19.108	-5	m	...	...
671	+18.848	+45.006	-2	...	...	731	+25.032	+7.237	-5	m	...	791	+33.332	-30.063	-5	m	...	...	...
...	19.197	+28.811	0.90	...	...	...	25.098	-34.375	-1	...	...	...	...	33.412	-14.346	-5	m	...	...
...	19.295	-59.388	-4	...	...	...	* 25.116	+33.990	1.00	...	...	...	...	33.451	+8.843	0.65	...	...	...
...	19.327	+38.142	0.80	...	...	...	25.157	-10.258	-5	m	...	...	...	33.565	+29.192	-2	...	...	...
...	19.372	-4.956	-2	a	...	...	25.169	-4.228	-5	m	...	...	...	34.201	-18.804	0.80	...	...	...
...	+19.535	-21.835	-1	a	...	...	+25.203	-53.353	-5	...	...	...	...	+34.546	+28.320	-4	...	...	...
...	19.593	-8.627	-3	m	...	...	25.251	-7.409	-4	m	...	...	...	34.624	+16.724	-5	m	...	...
...	19.620	+37.916	-4	...	...	...	25.501	+13.922	0.65	...	...	...	...	† 34.689	-28.440	0.80	...	...	...
...	19.677	-19.686	-1	a	...	...	25.509	-19.926	-1	...	...	...	...	† 34.849	+29.770	0.95	...	...	...
...	19.697	+20.001	-5	m	...	...	25.620	+10.742	0.65	...	...	...	...	35.284	+34.475	-5	m	...	...
681	+19.718	+12.851	-2	a	...	741	+26.023	-2.338	0.65	...	801	+35.336	+39.912	0.90	...	...	...	...
...	20.001	-25.811	0.70	...	...	...	26.059	+5.224	-3	m	...	...	* 35.473	+32.478	4.00	43.1202	7.1	...	...
...	20.072	-10.994	-5	m	...	...	26.466	+52.609	-4	...	...	...	...	35.506	+37.686	-4	...	...	...
...	20.105	-39.827	-2	...	...	...	26.473	-36.770	-4	...	...	...	...	* 35.820	+35.352	1.05	43.1203	10.0	...
...	20.192	-32.121	-5	m	...	...	26.712	+45.264	-3	...	...	...	...	35.910	-21.556	0.90	43.1204	10.0	...
...	+20.292	+23.685	-4	m	...	...	+26.768	+17.233	-5	m	...	...	...	+35.968	-2.623	0.70	a	...	...
...	20.399	+4.725	0.70	...	...	...	26.912	-58.261	-1	...	...	...	...	36.209	-6.343	-2	...	...	...
...	20.482	-32.272	0.70	...	...	...	27.501	-16.565	-5	m	...	...	...	* 36.480	-1.847	1.10	43.1205	9.5	...
...	20.487	-42.316	-3	...	...	...	27.662	+32.143	0.65	...	...	...	...	36.710	+39.945	0.75	...	...	...
...	20.523	+31.893	-2	...	...	...	* 27.895	-39.245	1.40	44.1262	9.5	...	...	36.734	+6.515	0.70	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
811-870						871-930						931-984						
811	+36°838	+50°627	- 5	<i>m</i>	...	871	+45°686	- 1°672	0·75	<i>o</i>	...	931	+52°259	-27°854	- 4	<i>o</i>	<i>m</i>	...
*	37°109	-22°513	1·40	44.1267	9·4	†	46°064	+ 4°973	- 5	<i>m</i>	...	...	52°301	+42°507	1·00	43.1220	10·0	10·0
*	37°152	+15°647	1·80	43.1207	9·4	*	46°242	- 6°567	1·30	44.1278	9·4	...	52°337	- 8°887	- 3	<i>m</i>	...	...
...	37°361	+22°684	0·70	...	...	*	46°268	+40°672	1·05	43.1212	10·0	...	52°410	+27°196	0·75	...	...	...
*	37°443	+47°719	2·00	43.1206	8·8	*	46°310	+54°935	1·30	43.1211	9·8	...	52°472	- 6°915	- 4	<i>m</i>	...	...
...	+37°532	+ 2°798	0·90	...	...	...	+46°436	+36°517	- 4	...	...	...	+52°479	-48°062	- 4	...	...	...
*	37°599	+ 8°171	1·80	43.1208	9·4	...	46°438	-20°644	- 5	<i>m</i>	...	...	52°514	+50°720	- 2	...	...	...
...	38°328	+47°239	- 3	...	...	*	46°443	+11°644	1·05	43.1213	10·0	...	52°780	-59°412	- 4	...	...	...
...	38°728	-17°138	- 5	<i>m</i>	...	...	46°466	+ 6°048	0·75	...	...	...	52°845	+50°738	- 1	...	...	...
*	38°748	-44°598	2·00	44.1268	9·2	...	46°799	-18°678	- 2	...	...	...	53°041	+13°236	- 5	<i>m</i>	...	...
821	+38°921	+ 3°381	- 5	<i>m</i>	...	881	+46°892	+14°377	- 1	...	...	941	+53°429	+ 6°063	- 1	...	...	...
...	38°970	-20°172	- 3	<i>m</i>	...	...	46°959	-13°430	- 4	<i>m</i>	...	...	53°519	+18°939	- 5	<i>m</i>	...	...
...	39°010	-34°547	0·95	44.1269	10·0	...	47°072	-59°313	- 4	...	...	...	53°539	-11°506	- 4	<i>m</i>	...	...
*	39°056	-53°983	1·20	44.1272	9·8	...	47°160	+53°243	- 5	...	...	...	53°703	+ 7°467	1·00	43.1221	10·0	10·0
...	39°168	+45°341	- 1	...	...	...	47°193	+ 1°523	- 5	<i>m</i>	...	...	53°737	-42°482	- 1	...	...	...
...	+39°439	+15°382	- 2	...	...	...	+47°219	-30°417	- 5	<i>m</i>	...	...	+53°828	+24°749	- 1	...	...	...
*	39°504	-17°458	0·90	44.1270	10·0	...	47°258	+14°604	- 4	<i>m</i>	...	...	53°921	-52°145	0·95	44.1285	10·0	10·0
...	39°510	+36°201	- 2	...	...	*	47°489	+53°978	1·40	43.1214	9·8	...	54°274	-13°896	0·85	...	...	...
†	39°625	+24°781	- 5	<i>m</i>	...	...	47°513	-52°681	- 3	...	...	...	54°458	+12°129	- 3	...	...	...
†	39°648	- 4°783	0·90	44.1271	10·0	*	47°552	-30°478	1·40	44.1279	9·5	...	54°459	+12°972	- 4	...	...	...
831	+39°717	+31°737	- 2	<i>a</i>	...	891	+47°652	-11°286	- 3	<i>m</i>	...	951	+54°705	+28°237	- 3	...	...	...
...	39°938	+59°574	0·95	42.1224	10·0	...	47°787	+32°490	- 4	<i>m</i>	...	...	54°838	+20°729	- 4	<i>m</i>	...	...
S*	39°996	-38°791	2·20	44.1273	8·5	Nn	47°832	-45°686	- 3	...	...	...	54°941	+49°115	- 3	...	...	...
...	40°059	+ 9°186	- 3	<i>m</i>	...	Nn*	47°920	-45°701	1·05	44.1281	9·7	...	54°953	+19°412	- 2	...	...	...
...	40°304	-23°652	- 5	<i>m</i>	...	...	47°876	+38°409	- 5	<i>m</i>	...	*	55°166	+ 3°697	1·20	43.1222	9·8	9·8
...	+40°389	+24°114	0·75	...	...	*	+47°902	-15°995	1·20	44.1280	9·8	*	+55°304	+ 6°730	1·15	43.1223	10·0	10·0
...	40°391	+10°127	- 5	<i>m</i>	...	...	48°034	+27°405	- 3	...	...	...	55°310	- 9°943	- 4	<i>m</i>	...	...
*	40°433	+ 0°371	1·00	43.1209	10·0	...	48°160	+43°161	- 3	...	...	...	55°383	-44°472	- 4	...	...	...
...	40°459	+52°172	- 2	...	...	...	48°314	+13°753	- 4	<i>m</i>	...	...	55°402	- 9°801	1·00	44.1286	10·0	10·0
...	40°850	-35°094	- 4	...	...	*	48°481	+17°211	3·00	43.1215	8·1	...	55°507	- 1°339	- 2	<i>a</i>	...	...
841	+41°014	-49°211	- 5	...	...	901	+48°595	-26°127	- 3	<i>b</i>	...	961	+56°048	-10°478	- 4	<i>m</i>	...	...
...	41°253	+23°293	- 4	<i>m</i>	...	...	48°783	- 6°219	- 4	<i>m</i>	...	...	56°239	- 5°521	- 5	<i>m</i>	...	...
...	41°269	+37°402	- 4	<i>m</i>	...	†	48°803	+19°791	1·20	43.1216	9·6	...	56°350	+21°788	- 3	...	...	...
...	41°442	+ 6°769	- 4	<i>m</i>	...	*	48°871	-43°302	1·40	44.1282	9·9	...	56°366	+36°163	- 3	...	...	...
*	41°659	+14°675	1·15	43.1210	9·9	...	48°955	+ 8°196	- 5	<i>m</i>	...	...	56°574	+ 1°743	- 5	<i>m</i>	...	...
S*	+41°840	-53°939	2·50	44.1274	8·3	*	+49°563	- 2°418	1·10	43.1219	10·0	...	+56°694	+20°085	- 4	...	...	...
...	41°905	-32°225	- 4	<i>m</i>	...	...	49°601	-57°149	- 1	44.1283	9·9	...	57°494	- 5°245	1·00	...	...	...
...	41°914	-51°470	- 4	...	...	†	49°689	-35°536	- 4	...	...	...	57°594	-41°795	- 4	...	...	...
...	42°157	+ 7°128	- 2	...	...	†	49°752	+17°562	- 5	<i>m</i>	...	...	57°595	-28°767	- 5	<i>m</i>	...	...
...	42°469	- 7°617	- 4	<i>m</i>	...	†	49°780	+33°715	- 4	...	...	...	57°639	+36°873	- 3	...	...	...
851	+42°678	+42°404	- 1	...	...	911	+49°813	+10°414	3·10	43.1218	8·2	971	+57°663	- 7°545	0·90	44.1287	10·0	10·0
...	43°109	+21°512	- 3	...	...	S*	49°902	+43°508	1·95	43.1217	8·8	...	57°860	-24°028	1·00	44.1288	10·0	10·0
...	43°407	+25°502	- 3	...	...	...	49°934	+49°203	- 5	...	...	...	57°928	+ 1°678	- 3	...	...	...
...	43°515	- 3°704	- 2	...	...	...	50°372	- 4°115	- 4	<i>m</i>	...	*	58°082	+ 5°599	1·00	43.1225	10·0	10·0
...	43°540	+37°853	- 4	...	...	...	50°391	- 4°340	- 4	<i>m</i>	...	*	58°101	-16°333	1·40	44.1289	9·9	9·9
...	+43°607	+25°282	- 4	<i>m</i>	...	...	+50°606	- 2°316	- 5	<i>m</i>	...	...	+58°157	+ 5°790	- 5	<i>m</i>	...	...
...	43°766	+20°838	- 5	<i>m</i>	...	...	50°622	-12°673	- 5	<i>m</i>	...	...	58°211	-29°307	- 2	...	...	...
...	43°906	-29°571	- 5	<i>m</i>	...	...	50°720	+30°075	- 1	...	...	*	58°372	+31°379	1·05	...	...	...
...	43°918	-25°776	- 3	...	...	...	50°768	-57°862	- 4	...	...	...	58°658	+55°668	- 5	...	...	...
...	43°999	-57°158	- 1	44.1276	10·0	...	50°885	+45°207	- 5	...	...	...	58°697	-11°949	- 5	<i>m</i>	...	...
861	+44°391	+42°663	- 4	...	...	921	+50°911	-51°765	- 5	...	...	981	+58°730	+20°289	- 4	...	...	...
...	44°526	+45°194	- 5	<i>m</i>	...	...	50°925	+31°377	- 5	<i>m</i>	...	*	59°133	+52°794	2·00	43.1224	9·2	9·2
...	44°572	-44°194	- 5	<i>m</i>	...	...	51°006	-34°036	- 3	...	...	...	59°443	- 9°492	- 4	<i>m</i>	...	...
*	44°583	-18°975	1·00	44.1275	10·0	...	51°355	-23°799	- 3	...	...	*	59°562	+ 2°524	0·95	...	...	...
†	44°791	- 9°218	- 4	<i>m</i>	...	...	51°405	+43°686	- 2	...	...	...	...	...	...	...	...	...
†	+44°953	- 9°981	- 3	...	...	...	+51°586	-53°914	1·10	44.1284	9·7	...	...	...	...	...	...	...
...	45°213	-11°450	0·65	...	...	...	51°704	+30°914	- 3	...	...	...	...	...	...	...	...	...
...	45°433	-30°831	- 2	...	...	...	51°818	- 2°983	- 5	<i>m</i>	...	...	...	...	...	...	...	...
*	45°466	-17°547	1·05	44.1277	10·0	...	52°057	-46°773	- 5	...	...	...	...	...	...	...	...	...
...	45°610	-33°339	- 5	<i>m</i>	...	...	52°123	-32°911	- 4	...	...	...	...	...	...	...	...	...

893, 894. 44°·44, mass; 45°·43, two stars. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		§	No.		Mag.	x.		y.	§		No.	Mag.		x.	y.	§	No.	Mag.
181-230						231-280						281-328						
181	...	...	...	...	...	231	...	...	...	...	...	281	...	...	...	...	...
...	+ 4.646	- 29.398	- 3	44.1350	10.2	...	+ 23.304	- 58.942	- 1	44.1371	9.8	...	+ 46.423	+ 4.484	- 4	43.1331	10.4	
...	4.717	- 24.041	- 4	44.1349	10.0	...	24.387	- 31.703	- 5	44.1372	10.4	...	46.591	- 44.052	- 5	44.1402	10.4	
...	4.760	+ 5.377	1.90	43.1288	9.1	...	24.943	+ 8.660	- 5	43.1311	10.4	...	46.741	+ 52.167	- 4	43.1330	10.1	
...	4.844	- 51.417	0.95	44.1351	9.8	...	24.946	- 2.242	- 3	43.1312	10.4	*	47.718	- 1.327	1.80	43.1332	9.4	
SN*	5.209	- 28.606	6.00	44.1352	6.9	...	25.323	+ 1.289	- 3	43.1313	10.4	...	48.485	+ 35.559	- 5	43.1333	10.4	
...	+ 6.735	+ 6.629	- 4	43.1289	10.4	...	+ 25.580	+ 4.797	- 4	43.1314	10.2	...	+ 48.809	+ 34.925	2.80	43.1334	8.6	
...	6.748	- 28.797	- 2	44.1353	10.0	...	26.899	- 18.274	- 5	44.1373	10.2	...	49.429	- 34.661	- 3	44.1403	10.0	
...	7.289	+ 39.766	- 1	43.1200	10.0	...	27.070	+ 10.649	- 5	43.1315	10.4	...	49.722	- 44.337	- 5	44.1404	10.4	
...	7.312	- 5.126	- 5	44.1354	10.4	...	27.334	- 50.094	- 4	44.1375	10.2	...	50.186	+ 44.762	- 5	43.1335	10.4	
...	7.946	- 55.442	- 5	...	...	...	27.411	- 17.942	- 5	44.1374	10.2	...	50.803	- 30.647	- 5	44.1405	10.4
191	...	...	...	...	...	241	...	...	...	...	...	291	...	...	...	...	...
...	+ 8.232	- 43.073	- 5	...	...	...	+ 28.502	+ 8.244	- 3	43.1316	10.0	*	+ 50.978	+ 10.427	2.00	43.1336	8.8
...	8.308	- 3.730	- 4	44.1355	10.4	...	28.651	- 4.305	0.90	44.1376	9.8	...	53.019	- 39.719	- 5	44.1406	10.4	
...	9.403	+ 22.624	- 2	43.1291	10.2	...	29.014	- 38.874	- 5	44.1377	10.4	...	53.239	- 32.235	- 4	44.1407	10.2	
...	9.646	+ 12.289	1.00	43.1292	9.8	...	29.318	+ 10.734	- 4	43.1318	10.2	...	53.425	- 50.502	- 4	44.1410	10.2	
...	11.006	- 54.782	- 5	44.1356	10.4	*	29.657	- 20.665	1.10	44.1378	9.6	...	53.651	+ 47.411	- 1	43.1337	9.8	
...	+ 11.235	+ 7.794	- 3	43.1293	10.4	†	+ 29.762	+ 50.096	- 4	43.1317	10.2	...	+ 53.740	+ 46.772	- 1	43.1338	9.8	
...	12.344	+ 47.842	- 2	43.1294	10.0	...	30.065	+ 22.266	- 5	43.1319	10.4	...	53.840	+ 32.492	- 3	43.1339	10.2	
...	13.063	- 54.213	1.00	44.1357	9.8	...	30.402	- 12.393	- 3	44.1379	10.4	*	53.864	+ 11.353	6.00	43.1340	6.3	
...	13.397	+ 0.408	- 1	43.1295	10.0	...	30.701	- 42.500	- 1	44.1381	10.0	...	53.901	- 11.755	- 4	44.1408	10.2	
...	13.624	- 11.820	- 3	44.1358	10.4	...	31.223	- 56.050	- 3	44.1383	10.0	...	53.918	- 32.329	- 3	44.1409	10.1	
201	...	...	...	...	...	251	...	...	...	...	...	301	...	...	...	...	...
...	+ 13.846	- 17.637	0.80	44.1359	10.0	...	+ 31.709	+ 21.395	- 5	43.1320	10.4	†	+ 54.612	- 9.357	0.90	44.1411	9.8	
*	13.957	- 29.419	2.00	44.1360	8.8	...	31.777	- 3.756	- 5	44.1382	10.4	...	54.632	- 44.304	- 5	44.1413	10.4	
...	14.203	- 29.362	1.00	44.1360	8.8	...	33.094	- 34.086	1.00	44.1384	9.8	...	54.847	- 14.431	- 5	...	...
...	14.567	- 38.303	- 5	...	...	...	33.876	+ 45.178	- 5	43.1321	10.4	...	55.277	- 8.665	- 4	44.1412	9.8
...	14.910	+ 42.615	- 5	43.1296	10.4	...	33.962	- 35.110	- 4	44.1385	10.0	...	55.710	+ 4.527	0.90	43.1342	10.0	
*	+ 15.026	+ 27.416	2.00	43.1297	9.2	...	+ 34.478	+ 31.502	- 1	43.1323	10.0	...	+ 55.838	+ 46.573	- 5	43.1341	10.4	
...	15.227	+ 15.563	- 5	43.1298	10.4	...	34.487	+ 55.987	- 4	43.1322	10.4	...	55.850	- 38.290	- 4	44.1414	10.0	
...	15.578	+ 36.004	- 4	43.1299	10.4	...	34.825	+ 36.762	- 3	43.1324	10.1	...	56.494	- 52.141	- 2	44.1416	9.8	
...	16.712	- 0.604	- 1	43.1300	10.0	...	35.099	- 30.058	- 4	44.1388	10.4	...	56.503	+ 24.050	1.00	43.1343	9.6	
...	16.810	- 18.902	- 3	44.1361	10.1	...	35.547	- 50.065	1.20	44.1389	9.5	...	56.600	- 50.541	- 1	44.1417	9.8	
211	...	...	...	...	...	261	...	...	...	...	...	311	...	...	...	...	...
...	+ 17.311	+ 15.452	- 4	43.1301	10.2	...	+ 36.564	- 42.546	1.00	44.1391	9.8	...	+ 56.664	- 30.281	- 1	44.1415	10.0	
...	17.421	- 20.278	- 2	44.1362	10.0	...	37.445	- 29.163	- 4	44.1392	10.4	...	56.764	+ 4.871	- 4	43.1345	10.1	
...	17.940	+ 31.833	- 4	43.1302	10.2	...	37.550	- 32.769	1.00	44.1393	9.8	...	56.844	+ 11.249	0.80	43.1344	9.8	
*	18.186	+ 7.709	1.20	43.1303	9.6	S*	37.955	- 55.505	1.95	44.1395	9.2	...	56.859	- 42.660	- 5	...	...
...	18.463	+ 19.341	- 1	43.1304	9.8	...	38.189	- 37.769	- 5	44.1394	10.4	...	56.995	- 35.380	1.00	44.1418	9.6	
...	+ 18.634	- 7.146	- 5	44.1363	10.4	...	+ 38.381	- 17.977	- 5	...	...	...	+ 57.221	- 31.461	- 1	44.1419	10.0
...	18.733	- 40.130	1.30	44.1364	9.5	†	39.745	+ 7.826	- 5	43.1325	10.4	*	57.399	+ 28.355	2.70	43.1346	8.7	
...	18.790	+ 30.040	1.90	43.1305	9.2	†	39.782	+ 27.316	- 5	...	...	...	57.550	- 15.287	- 2	44.1420	10.1
...	18.892	+ 26.209	- 4	43.1306	10.4	...	39.806	+ 59.517	- 2	42.1301	9.8	...	57.711	- 55.935	- 4	44.1423	9.8	
...	18.976	- 34.119	- 5	...	...	...	39.851	- 36.327	- 5	44.1396	10.4	*	58.010	- 7.767	1.60	44.1421	9.4
221	...	...	...	...	...	271	...	...	...	...	...	321	...	...	...	...	...
*	+ 19.214	+ 26.955	2.30	43.1307	8.2	...	+ 40.606	- 51.701	1.20	44.1397	9.6	...	+ 58.011	- 27.321	- 4	44.1422	10.4	
...	19.564	- 30.036	0.85	44.1366	9.8	...	41.032	+ 47.194	- 3	43.1326	10.2	...	58.126	+ 14.825	- 4	43.1347	9.8	
...	19.693	- 20.211	- 4	44.1365	10.2	...	41.203	+ 57.331	- 2	42.1304	9.9	...	58.284	+ 14.821	- 4	43.1347	9.8	
...	20.222	- 15.484	- 5	44.1367	10.4	...	42.695	+ 5.594	- 5	...	...	...	58.488	- 26.077	- 4	44.1424	10.2
...	21.023	+ 39.650	- 3	43.1308	10.0	S*	43.128	- 3.205	1.70	44.1398	9.4	...	58.818	- 37.691	- 4	44.1427	10.1	
...	+ 21.431	+ 29.036	- 3	43.1309	10.2	S*	+ 43.282	+ 41.613	2.70	43.1327	8.4	...	+ 58.852	+ 38.395	0.75	43.1348	9.8	
...	21.503	+ 11.411	- 1	43.1310	9.8	...	44.168	+ 14.795	- 1	43.1328	9.8	...	†	58.916	+ 15.045	2.10	43.1349	9.0
...	22.114	- 21.068	- 5	44.1369	10.4	...	45.612	- 35.175	1.10	44.1400	9.8	59.038	- 27.244	- 5	44.1426	10.4
...	22.520	- 59.629	- 1	44.1370	9.8	...	45.986	- 43.992	- 5	44.1401	10.4	...	...	...	...	...	...
...	23.140	+ 46.046	- 5	...	...	...	46.057	+ 29.304	- 3	43.1329	10.0	...	...	...	...	...	...

§ 10^m·7=D, - 5.

C.P.D. 42°·1302. Not on plate.

185. Var. L=3.9-6.0.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
1	-60·000	-44·267	-3	44·1402	10·4	61	-51·381	+28·446	2·00	43·1346	8·7	121	-45·300	12·992	1·00	44·1431	10·1
†	59·750	+9·833	-5	...	...	†	51·290	+4·948	0·95	43·1345	10·1	†	45·071	-19·817	-5	...	...
...	59·409	+29·059	-4	...	...	...	51·185	+16·887	-1	...	...	...	45·035	-22·478	-4	...	...
...	59·133	-12·384	-5	M	...	...	51·100	-27·704	-4	...	...	...	44·764	5·781	-2	...	...
...	59·087	+44·614	-2	43·1335	10·4	...	50·914	-38·232	1·05	44·1414	10·0	...	44·591	-41·277	-3	...	...
†	-58·776	-0·117	-5	M	...	...	-50·825	-13·147	-5	...	...	...	-44·590	-10·975	0·70	...	...
...	58·629	+26·886	-4	...	...	...	50·552	+21·602	-2	...	...	...	44·573	-32·567	-4	...	...
...	58·492	-2·808	-5	...	...	...	50·351	-30·194	1·00	44·1415	10·0	...	44·495	-36·609	-1	...	...
...	58·327	-30·107	-5	M	...	...	50·266	+39·285	-5	...	...	...	44·491	-52·299	-4	44·1432	10·4
...	57·836	-1·046	-4	...	...	n†	50·255	+14·934	0·85	43·1347	9·8	...	44·476	-1·678	-4	...	...
11	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-57·801	-20·158	-5	...	...	*	-50·229	+38·525	1·50	43·1348	9·8	...	-44·387	-56·974	-3	44·1433	10·4
...	57·613	+34·354	-3	...	...	†	50·114	+16·805	-5	...	...	...	44·321	-25·720	-5	...	...
...	57·435	-34·799	1·00	44·1403	10·0	n†	50·087	+14·940	0·95	43·1347	9·8	...	44·284	-15·355	0·95	43·1353	10·4
...	57·434	-31·510	-3	...	...	†	50·058	-10·696	-4	...	...	...	44·261	-28·682	1·20	44·1434	9·8
*	57·261	+10·329	2·00	43·1336	8·8	...	49·977	+13·468	-5	...	...	...	44·238	-36·614	1·10	44·1435	9·8
†	-57·050	+39·874	-3	...	...	*	-49·907	-15·183	1·10	44·1420	10·1	...	-44·228	-30·442	-1	44·1436	10·4
...	56·838	-44·447	-1	44·1404	10·4	...	49·857	-52·049	1·20	44·1416	9·8	...	44·114	-43·627	-2	...	...
...	56·489	+7·480	-5	...	...	*	49·855	-35·273	1·40	44·1418	9·6	...	44·113	-39·351	-4	...	...
...	56·328	-12·795	-3	...	...	*	49·796	-50·452	1·30	44·1417	9·8	...	44·105	-26·925	0·65	...	...
...	56·209	-30·743	-1	44·1405	10·4	...	49·785	-42·571	-1	...	...	...	43·830	-14·633	-2	...	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-56·035	+31·971	-4	...	...	...	-49·777	-40·941	-5	...	...	...	-43·799	-11·433	-2	...	...
...	55·924	+46·037	-4	...	...	*	49·761	-31·356	1·15	44·1419	10·0	...	43·782	-53·055	1·20	44·1437	9·8
...	55·700	+47·372	1·00	43·1337	9·8	*	49·676	-7·645	1·60	44·1421	9·4	...	43·754	-6·026	0·75	...	...
*	55·597	+46·737	1·25	43·1338	9·8	*	49·460	+15·184	1·90	43·1349	9·0	...	43·449	-29·097	-5	...	...
...	55·578	-18·027	-4	...	...	...	49·309	+19·084	-4	...	...	...	43·351	-1·177	-4	...	...
...	-55·512	+29·138	-5	...	...	...	-49·286	+35·814	-5	M	...	...	-43·341	-35·822	-5	...	...
...	55·261	+30·580	-5	...	...	...	49·198	+45·809	-5	...	...	...	43·185	-23·451	1·00	43·1354	10·4
...	55·191	+18·665	-5	...	...	...	49·093	-27·197	0·95	44·1422	10·4	...	42·778	-23·161	-4	...	...
†	55·062	+32·468	-1	43·1339	10·2	†	48·894	+34·746	-4	...	...	...	42·744	-42·311	-4	...	...
†	55·005	-25·407	0·70	...	...	...	48·631	-25·939	0·95	44·1424	10·2	...	42·584	-5·770	-4	...	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-54·947	+53·448	-5	...	...	...	-48·610	-53·001	-5	...	...	...	-42·520	-32·911	-3	...	...
...	54·692	-50·734	-5	...	...	*	48·531	+16·931	1·00	43·1350	9·8	...	42·515	-44·182	-4	...	...
...	54·584	+41·480	-5	...	...	...	48·516	-55·802	-1	44·1423	9·8	*	42·443	+6·779	0·95	43·1355	10·2
*	54·397	+11·342	5·00	43·1340	6·3	...	48·050	-27·085	0·95	44·1426	10·4	...	42·332	-35·944	-5	...	...
...	54·256	-5·491	-3	...	...	...	47·994	-31·751	-5	...	...	...	42·184	-17·100	-5	...	...
...	-53·708	-32·245	0·90	44·1407	10·2	...	-47·970	-37·525	0·95	44·1427	10·1	...	-42·178	-36·753	-5	...	...
...	53·697	-39·734	-4	44·1406	10·4	...	47·660	-5·292	-4	...	...	...	42·012	-17·895	-4	...	...
*	53·669	-11·761	1·00	44·1408	10·2	...	47·595	+0·952	-2	...	...	...	41·769	-37·800	-5	...	...
...	53·551	-19·284	-5	...	...	...	47·042	+12·984	-5	...	...	...	41·546	-48·190	-5	...	...
...	53·497	+46·604	-3	43·1341	10·4	...	47·018	-19·106	-4	...	...	*	41·357	-15·272	1·60	44·1438	9·2
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-53·449	-19·508	-5	...	...	...	-46·944	+3·994	-5	...	...	*	-41·106	-2·858	1·10	43·1356	9·6
...	53·364	+51·624	-5	...	...	...	46·944	-42·498	-5	...	...	...	41·041	-36·056	-5	...	...
...	53·184	+54·475	-4	...	...	...	46·825	+8·276	-5	...	...	...	41·033	-16·208	-5	...	...
*	53·019	-9·335	1·20	44·1411	9·8	...	46·781	-6·071	-5	M	...	*	40·718	-40·665	1·15	44·1439	9·8
*	53·016	-32·321	1·00	44·1409	10·1	...	46·643	+21·114	-1	...	...	...	40·625	-48·689	-4	...	...
...	-52·996	+3·614	-5	...	...	...	-46·601	-10·598	-5	...	...	...	-40·539	-40·243	-4	...	...
...	52·983	-50·515	-1	44·1410	10·2	...	46·556	-5·775	-4	...	...	...	40·312	-27·938	-5	...	...
...	52·631	-14·410	0·85	...	...	...	46·441	-35·959	0·90	...	...	...	40·254	-5·130	-5	M	...
...	52·557	+53·891	-3	...	...	...	46·427	-59·746	-4	44·1428	10·4	...	40·237	-15·632	-5	M	...
*	52·378	-8·629	1·00	44·1412	9·8	...	46·366	+44·088	-5	...	...	...	40·213	-21·034	-4	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
*	-52·353	+4·566	1·10	43·1342	10·0	*	-46·241	+4·684	1·00	43·1351	10·0	†	-40·140	-39·021	-5	...	...
...	52·298	-8·048	-1	...	...	...	46·076	-10·851	0·70	...	...	†	40·061	-4·188	0·65	...	...
...	52·277	+15·976	-4	...	...	...	46·052	+1·610	-2	...	...	†	40·060	-18·348	-4	...	...
...	52·237	+19·116	-5	...	...	...	46·034	-36·690	-3	...	...	...	39·938	-20·535	-5	M	...
...	52·216	+38·429	-1	...	...	...	45·968	-34·335	-5	...	...	...	39·857	-21·230	-4	...	...
...	-52·172	+26·446	-5	...	...	*	-45·807	-44·348	1·20	44·1429	9·8	...	-39·827	10·015	0·65	...	...
*	52·145	+24·108	1·25	43·1343	9·6	...	45·669	-17·941	-3	...	...	...	39·757	-34·702	-4	...	...
...	51·960	-44·277	-1	44·1413	10·4	...	45·643	+7·212	-5	...	...	...	39·632	-17·417	-4	...	...
...	51·489	+12·205	-3	...	...	*	45·593	+27·909	1·00	43·1352	10·4	†	39·519	34·911	-4	...	...
*	51·420	+11·321	1·05	43·1344	9·8	*	45·311	-14·760	1·00	44·1430	9·8	...	39·160	-0·215	-4	...	...

L measured from 1, 382, 823.
MC 171, 628, 998.

70, 73. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-39°093	-8°337	0·65	...	...	241	-32°455	-39°351	1·20	...	...	301	-28°149	+8°072	-4	...	...
...	38°969	-21°964	-4	...	...	...	32°422	+0°655	0·90	44·1451	9·5	S*	27°917	-24°647	2·00	44·1460	8·6
...	38°954	-15°990	-1	...	...	...	32°384	-27°478	-3	43·1363	10·4	*	27°736	-4°710	1·00	44·1461	10·0
...	38°878	+34°252	-4	...	...	...	32°290	-32°024	0·85	...	...	...	27°686	+4°719	-2	...	...
...	38°639	+6°678	0·80	...	...	...	32°246	+41°598	3·00	44·1452	10·4	...	27°530	+45°996	-3	...	...
...	-38°557	+10°923	-5	M	...	...	-32°227	+42°158	0·65	43·1364	7·7	...	-27°420	+5°995	-5	M	...
...	38°450	-24°274	1·30	44·1442	9·3	...	32°207	-16°581	-4	...	...	...	27°405	+25°843	0·75	43·1372	10·4
...	38°445	-44°744	1·00	44·1441	10·0	...	32°196	-8°488	-5	M	...	...	26°988	+2°039	-5	M	...
...	38°422	-7°097	-4	...	...	...	32°017	+54°906	-4	...	...	...	26°858	-35°714	-3	...	...
...	38°282	-54°315	-4	...	...	...	31°906	-35°709	-5	...	...	...	26°661	+50°133	-5	...	...
191	-38°276	-34°909	-4	...	...	251	-31°884	-32°935	-3	...	...	311	-26°524	+27°410	-1	...	...
...	38°210	-35°583	-5	...	...	...	31°828	+55°112	-4	...	...	...	26°493	+13°200	-5	...	...
...	38°067	-15°154	-4	...	...	n*	31°783	-12°159	0·85	44·1454	10·0	...	26°439	+19°422	-5	...	...
...	37°926	+29°047	-1	...	...	*	31°774	-3°408	1·10	44·1453	9·8	...	26°393	+1°119	-5	M	...
...	37°739	-9°616	0·85	44·1443	10·2	...	31°771	+12°777	-3	...	...	...	26°366	+51°040	-3	...	...
...	-37°732	-5°078	-4	...	...	...	-31°700	-6°668	-2	...	...	...	-26°347	-22°837	-4	...	...
...	37°694	-38°795	-5	...	...	...	31°660	+34°360	-4	...	...	...	26°288	+2°348	-5	M	...
...	37°565	-16°032	1·05	44·1444	9·8	n*	31°572	-12°164	0·85	44·1454	10·0	...	26°277	+13°624	0·70	43·1373	10·4
...	37°356	+10°423	1·20	43·1357	9·4	...	31°496	+1°325	-2	...	...	...	25°796	-17°149	-4	...	...
...	37°238	-8°544	-5	M	...	...	31°261	+20°151	0·85	...	...	...	25°769	+50°232	-5	...	...
201	-37°110	+11°026	0·90	43·1358	10·4	261	-31°237	+44°847	-4	...	...	321	-25°734	-1°251	-2	...	...
...	36°664	-6°126	-4	...	...	n*	31°235	+0°184	0·95	43·1365	9·4	...	25°712	-1°745	-4	M	...
...	36°327	+21°344	1·95	43·1359	9·0	*	31°148	+56°360	1·30	43·1366	9·8	...	25°537	+41°129	-1	43·1374	10·4
...	36°266	-5°503	-5	M	...	n*	31°104	+0°164	1·10	43·1365	9·4	*	25°082	-2°194	1·05	43·1375	9·8
...	36°242	+51°511	-3	...	...	...	31°095	+38°892	-5	...	...	...	25°066	-29°084	-4	...	...
...	-35°989	+19°496	-4	...	...	...	-31°049	-27°449	-3	...	...	...	-25°038	+16°979	-5	M	...
...	35°987	+23°277	0·65	...	...	...	31°017	-16°999	-4	...	...	...	25°033	+9°733	-4	...	...
...	35°970	-16°877	0·95	44·1445	10·0	...	30°804	-35°054	1·40	44·1455	9·6	...	24°964	-58°137	-5	...	...
...	35°944	+8°434	-5	M	...	...	30°773	+36°597	-3	...	...	...	24°751	-10°358	-2	...	...
...	35°901	+13°649	-5	M	...	...	30°768	+38°022	-4	...	...	...	24°669	+9°005	-4	...	...
211	-35°890	+22°339	-4	...	...	271	-30°733	-1°127	-4	M	...	331	-24°556	+51°242	-4	...	...
...	35°834	+33°723	-5	...	...	...	30°724	-37°930	0·85	44·1456	10·4	...	24°540	-13°515	-5	M	...
...	35°742	-27°722	-1	...	...	...	30°547	+0°042	-3	a	...	...	24°317	+0°498	-4	...	...
...	35°565	+19°467	0·95	43·1360	10·2	...	30°532	+22°683	0·95	43·1367	10·4	*	24°299	+21°706	2·00	43·1376	8·3
...	35°509	-14°750	0·65	...	...	...	30°480	+35°882	-5	...	...	...	24°258	-2°306	-4	M	...
...	-35°372	-34°286	-5	...	...	...	-30°450	-23°922	-4	...	...	...	-24°234	+15°700	-3	...	...
...	35°241	+29°002	-5	...	...	...	30°352	+36°555	-5	...	...	...	24°030	+53°303	-2	...	...
...	35°142	-30°420	0·85	44·1446	10·4	S*	30°039	+6°104	1·80	43·1368	9·0	...	23°947	-18°304	-5	...	...
...	35°020	-21°910	-1	...	...	...	29°826	-14°839	-5	M	...	...	23°877	+3°330	-3	...	...
...	34°827	-4°097	2·00	44·1447	8·8	*	29°597	+44°294	1·80	43·1369	9·4	*	23°795	-1°560	0·90	43·1377	10·2
221	-34°569	+55°039	-3	...	...	281	-29°482	+27°122	-4	...	...	341	-23°695	-31°466	0·70	...	...
...	34°034	-37°685	-3	...	...	...	29°436	-42°522	-3	...	...	...	23°544	+26°247	-4	...	...
...	33°932	+11°699	-4	M	...	...	29°416	+12°028	-5	M	...	...	23°312	+56°648	-5	...	...
...	33°756	+26°665	-4	...	...	...	29°390	-21°807	1·00	44·1457	10·0	...	23°269	+54°054	-1	...	...
...	33°688	+7°550	-3	...	...	...	29°245	+54°948	-4	...	...	...	23°142	+21°133	0·75	...	...
...	-33°625	-24°242	-1	...	...	...	-29°244	+3°404	0·90	...	...	...	-23°087	+43°223	-3	...	...
...	33°570	-15°741	-3	...	...	...	29°242	-51°121	-1	44·1458	10·4	...	23°046	+10°978	-4	...	...
...	33°569	+41°780	-5	...	...	...	29°121	+28°411	-4	M	...	...	22°886	+28°489	-1	...	...
...	33°432	+50°537	1·20	43·1361	9·8	...	29°076	+44°130	-3	...	...	...	22°874	-6°301	-5	M	...
...	33°321	+18°536	-5	...	...	...	28°959	+16°741	-5	M	...	...	22°650	-9°432	-4	...	...
231	-33°308	-5°800	1·60	44·1448	9·3	291	-28°940	+13°993	-2	...	...	351	-22°623	+48°065	-4	...	...
...	33°232	-8°308	-4	...	...	...	28°905	+10°999	-4	M	...	...	22°617	+52°703	-1	...	...
...	32°974	-34°083	-2	...	...	...	28°843	+56°521	-4	...	...	...	22°565	+8°104	-4	...	...
...	32°821	+49°444	-2	...	...	...	28°826	+4°586	-4	M	...	...	22°461	+23°504	0·65	...	...
...	32°793	-14°017	1·90	44·1449	9·0	*	28°736	+38°116	1·00	43·1371	10·0	...	22°431	-57°904	-5	...	...
...	-32°778	-8°528	-3	...	...	...	-28°727	+12°332	-3	...	...	...	-22°422	-24°179	-4	...	...
...	32°763	+41°471	-5	...	...	...	28°693	+3°212	0·65	43·1370	10·2	...	22°406	+9°821	-4	...	...
...	32°739	+7°656	1·50	43·1362	9·4	...	28°682	+37°718	-4	...	...	...	22°358	+14°292	-4	...	...
...	32°585	+30°393	0·65	...	...	*	28°654	-31°106	1·70	44·1459	9·4	...	22°328	-18°633	-5	M	...
...	32°461	-58°057	1·90	44·1450	9·4	...	28°468	-12°723	-5	M	...	...	22°321	-9°473	-1	...	...

253, 258. C.P.D., mass.

262, 264. C.P.D., mass.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-i.		No.	Mag.		x.	y.	-i.		No.	Mag.		x.	y.	-i.		No.	Mag.
361-420							421-480							481-540						
361	-22.286	+15.077	-3	...	...	...	421	-16.334	-10.243	0.75	...	...	...	481	-12.082	-11.634	-2	...	...
...	22.072	-16.895	-4	...	...	...	...	16.309	+40.064	0.90	43.1383	10.4	...	...	12.079	8.448	-5	...	...
...	21.881	+2.808	-4	...	...	...	...	16.302	-22.382	-5	...	...	...	...	12.044	+33.941	0.85	43.1393	10.4
...	21.875	+33.958	-5	...	...	...	...	16.251	-24.197	0.90	44.1472	10.4	...	...	11.943	-4.200	-5	M	...
*	21.867	-12.292	0.90	44.1464	10.4	...	...	16.209	-6.789	-4	M	...	...	...	11.925	-3.844	-5	...	...
...	-21.844	-27.394	-5	M	...	...	...	-16.114	+31.311	-3	...	...	...	*	-11.806	+46.639	1.10	43.1394	10.0
...	21.782	+47.705	-1	...	...	...	...	16.068	+8.166	-5	...	...	...	...	11.623	+31.142	1.00	43.1395	10.0
*	21.588	+13.983	0.85	43.1378	10.4	...	*	15.947	-21.038	1.15	44.1473	9.6	...	...	11.611	31.403	-4	...	...
...	21.575	-39.301	-1	...	...	...	...	15.880	-35.671	-5	...	...	...	...	11.567	-47.616	-4	...	...
...	21.546	+36.434	-2	...	...	...	...	15.820	+4.002	-5	...	...	...	...	11.551	-4.528	-5	M	...
371	-21.483	+50.690	-3	...	...	...	431	-15.809	-26.447	-5	...	...	...	491	-11.192	+51.596	1.30	43.1396	9.4
...	21.480	+49.048	-4	...	...	...	...	15.679	-13.393	-2	...	...	...	...	11.023	+17.491	-5	M	...
...	21.472	+22.262	-4	...	...	...	*	15.667	-10.829	1.00	44.1474	10.1	...	...	10.952	-20.280	0.70	...	...
...	21.167	-6.506	-1	...	...	...	...	15.603	+19.351	0.70	...	...	...	...	10.797	+30.497	-2	...	...
...	20.825	+58.603	-5	...	...	...	...	15.563	+58.537	-5	...	...	...	...	10.696	-31.535	-5	...	...
...	-20.652	-6.150	-5	M	...	...	...	-15.556	+55.819	-1	...	...	...	...	-10.693	-23.873	-4	...	...
...	20.595	+8.483	-3	...	...	...	...	15.555	-56.698	-5	...	...	...	...	10.684	-33.027	-5	...	...
...	20.440	+8.437	-5	M	...	...	*	15.507	-1.345	0.95	43.1384	10.4	...	...	10.639	-29.837	-5	M	...
*	20.432	-15.403	1.00	44.1465	10.1	...	...	15.428	+20.565	-5	...	...	...	...	10.629	-6.256	-5	M	...
...	20.371	-4.830	-3	...	...	...	*	15.422	+2.060	1.00	43.1385	10.2	...	...	10.491	+15.740	-4	...	...
381	-20.349	+13.895	0.70	...	...	...	441	-15.359	-9.726	-3	...	...	...	501	-10.460	-4.335	-5	M	...
†	20.164	-28.662	-5	...	...	...	†	15.281	-7.419	0.65	...	...	...	...	10.459	-22.827	0.80	...	...
*	19.977	-22.896	1.20	44.1466	9.6	...	†	15.262	-46.162	1.05	44.1475	9.8	...	...	10.417	+30.380	-1	...	...
...	19.963	+18.073	0.90	43.1379	10.4	...	*	15.101	+33.045	1.00	43.1386	10.2	...	...	10.411	+49.298	-3	...	...
...	19.874	+23.100	-5	...	...	...	...	14.898	+2.947	-4	...	...	...	...	10.397	+55.092	-1	...	...
*	-19.843	+6.277	1.00	43.1380	10.2	...	†	-14.855	+39.790	-5	...	...	...	...	-10.307	-40.623	-3	...	...
*	19.495	-17.921	0.95	44.1467	10.4	...	...	14.683	+41.658	-3	...	...	...	...	10.270	+40.610	-5	...	...
...	19.258	+34.623	-5	...	...	...	...	14.530	-37.335	-5	...	...	...	...	10.262	-57.762	-2	44.1483	10.4
*	19.075	-35.632	1.00	44.1468	10.1	...	...	14.451	+1.357	-4	...	...	...	...	10.256	-56.321	1.35	44.1482	9.6
...	19.000	-10.596	-5	M	...	...	*	14.450	-18.976	1.40	44.1477	9.4	S	†	10.188	+27.736	1.90	43.1397	8.9
391	-18.943	+44.204	-5	...	...	...	451	-14.401	+39.333	1.00	43.1387	10.4	511	-10.168	-12.449	-5	M	...	
...	18.808	-23.190	-4	...	...	...	*	14.299	+55.182	1.00	43.1388	10.1	†	10.167	-24.416	1.00	44.1484	10.0	
...	18.799	-12.815	-3	...	...	...	...	14.205	+22.120	-5	...	...	...	...	10.102	-14.718	-5	...	...
...	18.554	+6.690	-3	...	...	...	...	14.203	-16.146	0.90	44.1478	10.4	...	...	9.916	-18.414	-5	...	...
...	18.539	+53.469	-1	...	...	...	...	14.146	-14.624	-4	M	...	...	...	9.836	-6.214	-5	...	...
...	-18.470	-41.303	0.90	44.1469	10.4	...	...	-14.133	-44.611	-5	...	...	...	*	-9.830	+20.790	0.95	43.1398	10.2
...	18.460	-51.271	-5	...	...	...	...	13.910	+42.153	-2	...	...	...	N	9.700	-22.549	0.65	44.1485	10.4
...	18.314	+32.424	-1	...	...	...	...	13.858	+38.583	-3	...	...	...	N	9.681	-22.578	-5	...	...
n	18.211	+33.005	-5	...	...	...	...	13.828	-46.664	-5	...	...	...	...	9.673	-20.488	-5	M	...
n	18.157	+33.036	-2	43.1381	10.4	...	...	13.655	+2.749	-5	M	...	...	...	9.659	-13.224	0.90	44.1486	10.4
401	-18.128	-13.173	0.95	44.1471	10.4	...	461	-13.624	-17.900	-5	...	...	...	521	-9.326	-18.939	0.65	...	...
*	18.088	-59.781	1.90	44.1470	9.3	...	*	13.521	+13.337	1.00	43.1389	9.8	...	...	9.224	-36.531	1.00	43.1399	10.0
...	18.072	-12.039	-5	M	...	...	...	13.438	-18.674	-4	...	...	...	...	9.133	-33.385	-5	M	...
*	17.839	+43.891	1.90	43.1382	8.9	...	*	13.330	-58.608	1.50	44.1479	9.3	...	...	9.071	+59.097	-5	...	...
...	17.758	+28.443	-5	...	...	...	...	13.202	+43.676	-4	...	...	...	...	8.922	+32.759	-3	...	...
...	-17.697	+3.615	-5	M	...	...	...	-13.198	-36.945	-5	...	...	...	*	-8.876	-32.870	1.80	44.1487	9.2
...	17.643	-5.365	-5	M	...	...	...	13.114	+28.468	-5	...	...	...	...	8.871	-37.065	-5	M	...
...	17.638	+40.397	-3	...	...	...	...	13.095	-37.727	-5	...	...	...	...	8.774	-2.314	-4	M	...
...	17.586	+9.427	-4	...	...	...	*	12.898	-2.053	1.00	43.1390	10.1	...	...	8.723	-4.668	0.70	...	...
...	17.577	-52.129	-4	...	...	...	...	12.867	+25.665	-4	...	...	...	...	8.703	+51.419	-1	...	...
411	-17.452	+0.931	0.65	...	...	...	471	-12.800	-50.490	1.50	44.1480	9.5	531	-8.555	-15.644	0.90	44.1488	10.4	
...	17.357	-9.760	-3	...	...	...	...	12.770	-26.878	-3	...	...	*	8.516	-20.433	1.50	43.1400	0.8	
...	16.995	-8.824	-2	...	...	...	...	12.618	-27.773	-1	...	...	...	...	8.410	-16.082	-5	...	...
...	16.826	-24.112	-5	...	...	...	...	12.579	-1.459	0.85	43.1391	10.4	...	...	8.304	-54.505	-5	M	...
...	16.812	-34.693	-5	...	...	...	...	12.509	-35.598	-5	...	...	...	...	8.303	-16.509	-5	M	...
...	-16.766	-36.630	-4	...	...	...	...	-12.487	-0.589	0.95	43.1392	10.4	...	*	-8.129	+30.204	-4	M	...
...	16.720	-20.991	-5	...	...	...	...	12.479	+37.192	0.80	...	...	...	...	8.037	+48.204	-4	...	...
...	16.703	+48.765	-5	...	...	...	...	12.436	+41.861	0.65	...	...	...	...	8.010	-45.031	1.00	43.1401	10.4
...	16.517	+40.483	-5	M	...	...	...	12.387	-1.319	-5	M	...	...	...	7.910	-43.095	-5	...	...
...	16.398	+20.915	-5	...	...	...	†	12.248	-59.815	1.60	44.1481	9.3	...	...	7.851	-38.361	-5	...	...

399, 400. C.P.D., probably mass.

517, 518 45 44. mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-600						601-660						661-720					
54I	7.790	-10.012	-4	...	...	60I	2.561	-39.579	-4	...	...	66I	2.858	-33.567	-4	...	M
...	7.727	-4.615	-4	...	...	...	2.451	+40.845	1.25	43.1410	9.6	...	2.874	+20.317	-4	...	m
...	7.576	-24.245	-4	...	...	...	2.431	+37.596	-5	m	...	...	3.127	-51.599	-5	...	...
...	7.537	-10.455	-2	...	...	...	2.343	+21.581	0.75	43.1411	10.4	...	3.227	+37.441	-3	...	m
...	7.500	-28.665	-5	...	...	...	2.232	-0.087	-5	M m	...	...	3.262	+24.007	-3	...	m
...	7.475	+30.999	-5	...	...	...	2.230	+3.031	0.95	43.1412	10.2	...	3.377	+26.615	-5	...	m
...	7.433	-26.915	0.95	44.1489	10.4	...	2.208	-23.706	-5	m	...	...	3.486	-16.277	-5	...	M m
...	7.403	+1.736	0.95	43.1402	10.4	...	2.075	+39.891	-5	m	...	...	3.592	-54.600	-5	...	M
...	7.318	+49.440	-5	...	...	...	1.953	+40.442	-4	...	...	...	3.607	-21.828	-5	...	M m
...	6.931	-8.541	0.70	...	...	...	1.835	-19.308	-5	M	...	...	3.811	-43.654	-5	...	M
55I	6.920	-55.229	-4	...	...	61I	1.830	+36.832	1.70	43.1413	9.1	67I	4.194	+40.952	-5	...	m
...	6.881	+1.625	-4	...	...	...	1.710	-55.898	-4	...	...	...	4.292	-28.206	-5	...	M
...	6.824	+18.684	-5	M	...	N*	1.453	+25.350	1.10	43.1414	9.0	...	4.421	-56.990	0.90	44.1504	10.4
...	6.773	-19.630	1.15	44.1490	9.6	N*	1.366	+25.352	1.10	...	...	...	4.461	-25.464	-5	...	M m
...	6.719	+21.020	-4	M	...	...	1.339	+34.163	-5	m	...	...	4.539	+55.776	-5	...	m
...	6.701	-30.163	-5	M	...	...	1.324	-15.344	-5	M m	...	...	4.589	-41.803	0.90	44.1505	10.4
...	6.489	+3.458	-5	M	...	...	1.319	-23.163	-5	M m	...	...	4.674	+31.348	0.70	...	...
...	6.465	-41.653	0.90	44.1491	10.4	...	1.276	-17.796	-3	...	...	...	4.710	-30.159	-4	...	M
...	6.389	+46.319	-3	...	...	...	1.264	+3.414	0.95	43.1415	10.0	...	4.798	+27.195	-3	...	m
...	6.286	-56.631	-1	44.1492	10.4	...	1.153	+1.234	-5	M m	...	...	4.894	+21.387	-4	...	m
56I	6.224	+0.107	-3	a	...	62I	0.950	-33.805	-5	...	...	68I	4.982	+31.083	-5	...	m
...	6.212	+32.309	-5	M	...	...	0.884	-46.592	-5	...	...	...	5.178	-23.381	-4	...	M
...	5.665	+54.326	-4	...	...	...	0.678	+32.636	1.30	43.1416	9.5	...	5.180	+37.885	-5	...	m
...	5.610	+59.648	-1	42.1347	10.4	...	0.589	-29.883	1.10	44.1499	9.6	...	5.263	+40.218	0.90	43.1422	10.2
...	5.551	+23.384	-4	...	...	...	0.417	+11.118	-4	m	...	...	5.308	+54.382	-3	...	...
...	5.548	-35.962	-5	...	...	...	0.361	+15.876	1.15	43.1417	9.8	...	5.337	-1.466	-5	...	M m
...	5.422	+46.767	1.00	43.1403	10.4	...	0.336	-28.648	-5	...	...	...	5.900	+6.315	2.20	43.1425	8.8
...	5.373	-47.841	-4	...	...	...	0.191	-33.350	-4	M m	...	...	5.917	+36.486	0.90	43.1423	10.2
...	5.115	+8.028	1.10	43.1404	9.8	...	0.117	-51.681	0.90	44.1502	10.0	...	6.020	-2.584	-5	...	m
...	5.097	+55.459	1.00	43.1405	10.1	...	0.101	-23.246	0.85	44.1501	10.4	...	6.029	+21.581	0.65	...	...
57I	5.083	+30.788	-4	m	...	63I	0.081	-29.967	0.90	44.1500	10.0	69I	6.186	+48.298	1.20	43.1424	9.8
...	5.069	+41.148	-2	...	...	...	0.018	+3.240	-2	m	...	...	6.207	-50.273	-3	...	...
...	4.940	-7.699	-5	M m	...	...	0.085	+39.934	-2	...	...	...	6.211	+6.938	-5	...	m
...	4.926	+44.415	-5	m	...	...	0.152	+30.344	-3	m	...	...	6.250	-31.535	-3	...	M
...	4.914	-9.060	-5	M m	...	...	0.200	+31.498	0.90	43.1418	10.0	...	6.273	-8.443	-4	...	m
...	4.881	+47.485	1.05	43.1406	10.0	...	0.412	-47.059	-4	...	...	...	6.304	-5.678	-5	...	m
S*	4.690	-43.781	3.00	44.1493	8.6	...	0.532	-27.441	-3	...	...	...	6.314	+35.179	-5	...	m
...	4.556	-31.943	-5	...	...	...	0.737	+7.165	-4	M m	...	...	6.455	+48.116	-3	...	...
...	4.501	-25.500	3.40	44.1494	7.9	...	0.746	+37.985	-1	...	...	...	6.474	+41.575	-4	...	...
...	4.388	+57.021	-2	...	...	...	0.769	+46.928	1.80	43.1419	9.2	...	6.475	+27.040	-5	...	m
58I	4.327	-9.658	-4	M	...	64I	0.805	+38.681	-5	m	...	70I	6.618	-7.556	-5	...	m
...	4.271	-4.773	-5	M m	...	...	1.297	-10.266	-5	M m	...	...	6.851	-33.135	-4	...	...
...	4.196	+27.133	-5	m	...	...	1.329	+31.691	-2	...	...	...	7.311	+35.318	1.20	43.1426	9.6
...	4.073	+11.689	0.80	43.1407	10.4	...	1.568	+22.037	-1	...	...	...	7.507	-44.347	-4	...	...
...	4.053	-17.436	-5	M m	...	...	1.687	+39.524	-2	...	...	...	7.549	+6.737	0.70	...	b
...	3.962	-43.715	0.65	44.1495	10.4	...	1.718	+12.271	-3	m	...	...	7.631	-47.904	1.00	44.1507	10.1
...	3.907	+33.132	-5	m	...	...	1.759	+18.270	-4	m	...	S*	7.765	-16.084	2.20	44.1506	8.7
...	3.899	-22.540	1.40	44.1496	9.3	...	1.816	+20.294	-4	m	...	...	7.824	+49.388	-5	...	m
n*	3.852	-0.179	0.95	43.1408	9.8	...	1.826	+33.326	1.00	43.1420	10.0	...	7.914	+25.635	-2	...	...
...	3.831	+0.790	-3	A m	...	...	1.848	-42.037	-5	M m	...	...	8.119	-2.109	-5	...	m
59I	3.814	-0.314	1.10	43.1408	9.8	65I	1.875	+4.475	-5	M m	...	71I	8.161	+25.423	-5	...	m
n*	3.759	-25.663	1.00	44.1497	10.1	...	1.879	+20.176	-4	m	...	...	8.315	-33.738	1.80	44.1508	9.2
...	3.609	+27.439	-2	m	...	...	2.206	+50.813	1.60	43.1421	9.2	...	8.325	+16.908	-3	...	m
...	3.334	-0.411	1.00	43.1409	10.0	...	2.289	-31.491	-4	...	...	...	8.487	-18.446	1.60	44.1509	9.2
...	2.980	-24.847	-3	...	...	...	2.323	-50.682	0.80	44.1503	10.4	...	8.562	+2.921	-4	...	m
...	2.902	-26.010	1.90	44.1498	9.1	...	2.408	-16.902	-5	M m	...	...	8.611	-12.129	-4	...	m
...	2.822	+33.737	-3	m	...	...	2.454	+58.774	-2	...	...	...	8.704	-40.261	-5	...	m
...	2.654	-33.103	-4	...	...	...	2.604	+2.974	-4	M m	...	...	8.835	+51.445	1.05	43.1427	9.8
...	2.598	-23.230	-4	...	...	...	2.657	-7.563	0.65	...	...	...	8.848	-21.691	-3	...	...
...	2.588	-40.460	-5	m	...	...	2.740	-44.788	-5	...	...	...	9.077	-22.497	-3	...	...

589, 591. C.P.D., mass.

613, 614. 43°·44, two stars; 43°·45, mass.

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.								
	x.	y.	-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.		Mag.	x.	y.	-i.	No.	Mag.	x.	y.	-i.	No.	Mag.			
721-780																														
721	...	+ 9.135	-43.384	- 4	...	...	...	781	*	+15.583	+ 1.547	0.90	43.1438	10.0	...	841	*	+21.194	-42.542	1.05	44.1527	9.8	...	...	...	...	...
...	...	9.322	+35.741	0.80	...	...	...	...	...	15.612	+ 5.966	- 1	<i>b</i>	...	...	...	...	...	...	21.673	-27.740	- 5	...	...	...	...	...
...	...	* 9.366	-23.689	1.85	44.1510	9.2	...	...	...	15.745	-22.813	- 1	...	...	...	...	...	...	...	21.780	-57.977	- 2	44.1529	10.4	...	...	...	...
...	9.376	-33.284	- 5	<i>m</i>	...	...	...	15.773	-54.117	- 3	...	...	...	...	...	...	...	21.917	+ 2.668	0.85	43.1448	10.4	...	...	...	...
...	9.382	-15.246	0.80	...	...	...	...	15.776	- 0.916	- 3	...	...	...	...	...	...	...	21.983	-56.445	- 3	...	...	...	...	...	...
...	+ 9.478	+43.572	- 4	<i>m</i>	...	...	...	+16.036	-16.649	0.90	44.1518	10.4	...	...	...	...	...	* 22.085	-12.263	1.10	44.1528	9.8	...	...	...	...
...	9.606	+50.975	- 2	43.1428	10.4	...	...	16.058	-50.601	- 5	...	...	...	...	...	...	...	...	22.135	-47.273	- 4	<i>m</i>	...	...	...	...
...	9.900	-14.825	- 5	<i>m</i>	...	...	...	16.220	-43.718	0.65	44.1519	10.4	...	...	...	...	...	...	22.251	-18.511	- 5	<i>m</i>	...	...	...	...
...	* 10.022	+ 3.676	1.90	43.1430	9.0	...	...	16.259	- 1.514	0.65	...	...	...	...	...	...	...	...	22.281	+15.899	- 3	<i>m</i>	...	...	...	...
...	10.139	-35.946	- 2	...	...	...	* 16.775	+21.269	1.00	43.1439	9.8	...	...	...	...	...	...	...	22.356	+ 34.419	- 5	<i>m</i>	...	...	...	...
781-840																														
731	...	+10.234	+22.381	- 5	<i>m</i>	...	...	791	...	+16.938	-23.927	- 5	...	...	...	851	*	+22.712	+ 6.933	1.00	43.1450	10.0	...	...	...	...	...	...	...
...	10.236	+49.141	1.00	43.1429	10.1	...	...	16.956	+57.901	- 5	<i>m</i>	...	...	...	...	...	...	22.748	-27.073	- 3	...	...	...	...	...	...	...
...	10.731	+16.881	- 3	<i>m</i>	...	...	...	16.994	+12.967	- 4	<i>m</i>	...	...	...	...	...	...	22.795	- 33.681	1.00	43.1449	10.0	...	...	...	...	...
...	* 10.743	-17.336	1.95	44.1512	9.1	...	...	17.053	- 8.356	- 4	...	...	...	...	...	...	...	* 22.824	-13.431	1.00	44.1530	9.8	...	...	...	...	...
...	10.760	+ 9.121	- 3	<i>m</i>	...	...	17.065	-29.065	0.65	...	...	...	...	...	...	...	...	23.725	-55.873	0.65	43.1451	10.4	...	...	...	...
...	+11.043	- 6.889	- 5	<i>m</i>	...	...	* 17.069	-11.965	1.20	44.1520	9.8	...	...	...	...	...	...	+23.763	-17.504	- 4	<i>m</i>	...	...	...	...	...
...	11.129	-38.347	- 5	<i>m</i>	...	...	* 17.131	+ 9.299	1.00	43.1440	9.8	...	...	...	...	...	...	23.780	-50.660	- 4	...	...	...	...	...	...
...	11.214	+50.361	- 4	...	...	...	17.393	+35.682	- 1	...	...	...	...	...	...	...	...	23.783	-57.125	- 1	...	...	...	...	...	...
...	11.306	-27.934	- 3	17.432	- 5.562	- 4	23.838	-32.155	0.95	43.1452	10.4
...	11.445.	+13.876	0.95	43.1431	10.1	...	17.457	-55.191	- 2	44.1522	10.4	...	...	...	...	...	...	23.875	-17.717	0.65	...	...	...	...	...	...
841-900																														
741	...	+11.538	-28.583	- 5	...	...	...	801	...	+17.572	-12.649	- 5	...	...	...	861	...	+24.090	-23.636	0.65	...	...	...	...	...	...	...	...	...
...	11.610	-15.355	0.65	...	...	...	...	17.622	- 8.346	- 4	<i>m</i>	...	...	...	...	...	...	* 24.226	+ 38.169	0.95	43.1453	10.4	...	...	...	...	...
...	11.658	+40.041	- 3	<i>m</i>	...	...	...	17.789	- 0.913	- 4	...	...	...	...	...	...	...	24.447	-40.742	0.80	...	...	...	...	...	...	...
...	11.661	-38.170	- 1	...	...	...	17.820	+51.919	0.90	43.1441	10.2	...	...	...	...	...	...	24.482	-29.435	- 1	...	...	...	...	...	...
...	11.666	-28.135	0.65	17.978	-23.885	- 3	24.621	-36.360	0.95	44.1533	10.2
...	+11.680	-44.863	- 5	<i>m</i>	...	...	+18.009	+57.687	- 5	...	...	...	...	...	...	...	...	+24.659	-29.534	- 5	...	...	...	...	...	...
...	11.790	-24.107	- 4	18.248	+ 7.614	- 1	<i>a</i>	24.671	-25.233	0.90	44.1532	10.1
...	* 12.172	-18.499	0.85	44.1513	10.2	18.368	-54.612	- 5	24.671	-25.233	0.90	44.1532	10.1
...	12.181	+ 5.318	- 4	<i>m</i>	...	...	18.424	+ 9.749	0.75	43.1442	10.4	...	...	...	...	...	...	24.698	-23.774	- 5	...	...	...	...	...	...
...	* 12.323	-33.168	1.00	44.1514	9.8	...	18.444	-41.793	- 1	24.726	-44.760	1.10	44.1534	10.0
781-840																														
751	...	+12.398	+41.652	- 3	...	...	...	811	...	+18.519	-36.776	- 5	...	...	...	871	...	+24.732	-24.996	- 5	...	...	...	...	...	...	...	...	...
...	N	12.417	- 7.195	- 4	...	...	...	...	...	18.682	- 8.598	- 4	...	...	...	...	...	...	...	...	24.978	-51.472	- 5	...	...	...	...	...	...
...	N	12.425	+ 7.260	- 4	...	...	...	...	...	18.762	-22.747	2.30	44.1523	8.7	...	...	...	...	...	...	25.075	+27.292	0.95	...	...	...	...	...	...
...	*	12.643	+26.416	1.00	43.1432	10.0	...	...	...	18.773	+41.735	0.65	...	...	...	...	...	...	...	...	25.094	- 7.371	- 3	...	...	...	...	...	...
...	...	13.084	-46.123	- 4	19.047	+22.714	- 4	<i>m</i>	25.612	+10.166	0.95	43.1454	10.4
...	†	+13.096	+59.655	1.90	42.1367	9.1	...	S*	+19.091	-57.609	2.00	44.1525	9.2	...	...	...	...	...	...	+25.624	-33.918	- 5	...	...	...	...	...	...
...	...	13.183	+22.140	- 5	<i>m</i>	...	...	...	...	19.102	+52.369	- 5	<i>m</i>	...	...	...	...	...	...	...	25.636	- 3.838	- 4	...	...	...	...	...	...
...	<i>a</i>	13.207	+ 0.143	0.70	43.1433	10.4	19.111	-52.728	- 4	44.1526	10.4	25.912	+13.775	0.90	43.1455	10.4
...	...	13.236	-13.139	0.65	...	...	...	...	...	19.212	-16.653	- 2	...	...	...	...	...	...	...	...	26.084	-16.855	- 4	...	...	...	...	...	...
...	...	13.355	+24.273	- 4	<i>m</i>	...	...	...	...	19.253	-15.433	1.05	44.1524	9.8	...	...	...	...	...	...	26.109	-12.831	- 4	...	...	...	...	...	...
841-900																														
761	...	+13.536	+38.569	- 4	<i>m</i>	...	...	821	...	+19.509	+53.351	- 2	...	...	...	881	...	+26.187	-36.289	- 3	...	...	...	...	...	...	...	...	...
...	...	13.741	+19.633	- 5	<i>m</i>	...	...	...	S†	19.560	+ 6.739	1.90	43.1443	9.0	...	...	...	...	...	...	26.195	+ 39.438	- 4	<i>m</i>	...	...	...	...	...
...	*	14.090	-14.766	1.00	44.1515	9.8	...	...	...	19.687	-26.114	- 5	...	...	...	...	...	...	...	...	26.343	+38.327	- 5	<i>m</i>	...	...	...	...	...
...	...	14.155	+32.551	- 5	<i>m</i>	19.740	+22.404	- 3	<i>m</i>	* 26.468	+51.160	2.00	43.1456	9.3
...	...	14.276	-27.524	- 3	...	...	...	...	...	19.753	-27.604	- 4	...	...	...	...	...	...	...	...	26.562	+45.729	- 5	<i>m</i>	...	...	...	...	...
...	...	+14.321	-30.384	- 4	[+20.100	+46.082	1.60	43.1444	9.3	* 27.117	+17.991	1.00	44.1535	10.2
...	...	14.512	-18.143	- 4	...	...	...	...	...	20.207	-13.222	- 1	...	...	...	...	...	...	...	...	27.315	+ 5.499	0.80	...	...	...	...	...	...
...	...	14.542	+ 4.781	0.75	43.1436	10.4	...	...	...	20.400	- 3.118	0.80	...	...														

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
901-960						961-1020						1021-1080					
901	+28°632	-13°290	-2	...	...	961	+36°433	-45°297	1.40	44.1551	9.8	1021	+42°472	-6°734	-5	...	...
...	28°748	-24°063	-5	...	...	...	36°436	-18°903	-5	...	...	...	42°510	+1°243	1.90	43.1477	9.0
*	28°777	+35°643	1.30	43.1458	9.8	...	36°466	+47°076	-5	m	...	...	42°532	+56°134	-5	m	...
...	28°918	-56°912	-5	...	...	...	36°481	+13°959	-4	m	...	...	43°017	-19°083	-2	...	...
...	28°943	+47°060	-5	m	...	...	36°637	-24°411	-5	...	...	...	43°176	+18°191	0.75	...	...
...	+29°096	+38°442	-2	...	...	*	+36°668	+24°784	1.40	43.1466	9.6	...	+43°304	+33°352	-3	m	...
...	29°466	-44°114	-3	...	...	...	36°673	-10°547	-4	...	...	...	43°410	+25°703	-3	m	...
...	29°533	+19°070	0.70	...	...	...	36°679	-11°498	-5	...	...	...	43°749	+59°246	-4	...	...
†	29°724	+3°189	1.00	43.1459	10.0	...	36°798	+10°206	-5	m	...	...	43°913	-35°592	1.00	44.1563	10.2
*	29°795	-28°667	1.40	44.1538	9.4	...	36°975	-11°884	-5	...	...	...	43°985	-50°918	-5	...	...
911	+29°913	-22°612	0.95	44.1539	10.4	971	+37°030	-56°305	-5	...	...	1031	+44°090	-1°335	-4	...	...
...	29°920	-35°906	-5	...	...	...	37°048	+27°900	-4	...	...	...	44°261	+48°308	1.00	43.1478	10.0
...	29°935	+4°151	0.65	...	...	...	37°101	+28°153	-4	...	...	*	44°402	+8°355	1.30	43.1479	9.8
...	30°093	-24°724	-5	...	...	...	37°170	+22°712	-5	m	...	...	44°869	-46°696	-3	...	...
...	30°261	+36°607	-3	m	...	...	37°441	+9°042	-4	m	...	...	45°015	-12°674	-3	...	...
...	+30°280	+7°842	-4	m	...	*	+37°464	+38°845	1.00	43.1467	10.4	...	+45°089	+25°668	-4	m	...
...	30°346	-38°393	0.75	44.1540	10.4	...	37°522	+42°358	-5	m	...	*	45°352	-12°382	1.00	44.1564	10.0
...	30°675	+18°034	-2	...	...	...	37°649	-4°427	-2	...	...	...	45°381	-13°676	-4	...	...
...	30°783	+30°026	0.95	43.1460	10.5	...	37°671	+29°237	0.85	43.1470	10.4	*	45°393	-15°874	1.15	44.1565	9.8
...	30°852	+20°284	-5	m	...	...	37°805	-29°884	-3	...	...	...	45°452	+26°276	-4	...	...
921	+30°914	-28°315	-4	...	...	981	+37°872	+49°434	1.50	43.1468	9.8	1041	+45°552	-3°828	-5	m	...
...	30°955	+45°529	-5	m	...	...	37°998	+52°122	-1	43.1469	10.4	...	45°717	+40°638	0.90	43.1480	10.1
...	31°173	-51°836	-3	44.1541	10.4	...	38°120	+23°643	0.65	...	...	...	45°791	+4°785	-5	m	...
...	31°203	-31°505	-5	...	...	...	38°135	-12°719	-5	...	...	...	46°048	-49°170	-4	...	...
...	31°364	+7°764	-4	...	...	*	38°275	-5°464	0.95	44.1552	10.4	...	46°204	-26°374	-4	...	...
...	+31°405	-36°172	-4	...	...	...	+38°325	+36°391	1.00	43.1471	10.4	...	+46°426	-28°903	-5	...	...
...	31°464	+54°969	-5	m	...	...	38°327	-30°392	0.65	44.1553	10.4	...	46°514	-21°507	-4	...	...
*	31°476	-50°411	1.70	44.1544	9.5	...	38°472	-33°324	-3	...	...	...	46°949	+39°415	0.65	43.1481	10.4
*	31°828	-38°677	1.00	44.1543	10.2	*	38°959	-14°733	0.95	44.1554	10.4	...	47°052	+33°846	-4	m	...
...	31°844	-18°474	1.00	44.1542	10.2	...	38°965	+34°028	0.65	...	...	S*	47°408	-37°042	2.10	44.1567	8.8
931	31°872	+26°471	0.90	...	...	991	+39°065	+45°569	-4	...	...	1051	+47°581	-5°171	2.60	44.1566	8.6
*	31°919	-50°363	2.00	44.1545	9.2	...	39°118	-38°844	-1	44.1557	10.4	†	47°659	-34°228	-4	...	...
...	32°365	-58°750	0.90	44.1546	10.0	*	39°147	-21°750	1.05	44.1555	9.8	...	47°736	-33°566	-3	...	...
...	32°751	-31°322	-4	...	...	*	39°317	-13°474	0.90	44.1556	10.4	*	47°809	+0°319	1.00	43.1482	10.0
...	32°823	+29°274	-5	m	...	...	39°457	+41°159	-5	m	...	...	47°932	+43°637	-2	...	...
*	+32°872	-25°499	1.00	44.1547	10.0	...	+39°466	-9°154	-3	...	...	...	+48°080	+38°488	-5	m	...
...	33°022	+48°814	-4	...	...	†	39°588	-10°821	-5	...	...	...	48°102	-47°820	-1	44.1568	10.4
...	33°210	+45°507	-4	...	...	...	39°797	+40°734	-4	m	...	...	48°181	+47°983	-4	m	...
...	33°495	+38°164	-2	...	...	...	39°913	+32°742	-4	m	...	...	48°740	-49°524	-1	44.1570	10.2
...	33°754	+40°610	-3	...	...	...	39°967	-37°962	-4	...	...	...	48°791	+30°757	-3	...	...
941	+33°851	+23°763	-5	m	...	1001	+40°129	+25°269	-5	m	...	1061	+49°270	-14°046	0.95	44.1569	10.4
...	33°886	-4°561	-5	...	...	...	40°138	-22°014	-4	...	...	...	49°481	+31°185	-5	m	...
...	33°896	+57°006	-5	...	...	...	40°307	-47°603	-4	...	...	†	49°627	+13°407	1.00	43.1483	9.7
...	33°954	-23°787	1.00	44.1548	10.2	*	40°388	-12°331	0.90	44.1558	10.4	...	49°928	-45°574	-4	...	...
...	34°357	-24°826	0.95	44.1549	10.4	...	40°524	+45°386	0.95	43.1472	10.2	*	50°256	+4°288	1.90	43.1484	9.0
...	+34°464	+52°335	-5	m	...	...	+40°653	-47°613	-4	...	...	...	+50°713	-36°570	-5	...	...
...	34°512	-15°228	-4	...	...	...	40°834	-51°064	-5	...	...	...	50°772	+57°325	-1	42.1398	10.2
...	34°516	+32°620	-5	m	...	...	41°007	-53°520	-2	44.1559	10.4	...	50°779	-28°873	0.80	44.1571	10.4
†	34°622	+49°791	-3	43.1461	10.4	...	41°134	+13°017	-4	m	...	...	50°784	-51°149	-5	...	...
...	34°753	+22°876	-5	m	...	...	41°230	+41°279	1.00	43.1473	10.2	...	50°837	-57°452	0.90	44.1572	10.0
951	+34°889	-43°685	-4	...	...	1011	+41°256	-59°197	-3	44.1561	10.4	1071	+51°354	+8°377	-3	...	...
*	35°080	+1°090	1.00	43.1462	10.0	...	41°485	+47°413	-3	...	...	...	51°445	-15°669	-4	...	...
...	35°272	+6°206	-4	m	...	...	41°504	+27°455	-5	m	...	...	51°462	-2°382	-5	...	...
*	35°432	-24°358	1.35	44.1550	9.6	...	41°504	+25°523	-5	m	...	...	51°855	-2°796	0.80	43.1485	10.4
...	35°703	-7°991	-4	...	...	...	41°633	+9°641	0.75	43.1475	10.4	...	51°902	-7°174	-5	...	...
†	+35°734	-19°985	-4	...	...	...	+41°702	-22°446	0.80	44.1560	10.4	...	+52°321	+36°857	-2	...	...
*	35°964	+29°069	1.15	43.1464	9.8	...	41°828	+29°706	-4	m	...	...	52°414	-21°291	-2	...	...
*	36°021	+37°587	1.25	43.1463	9.8	...	42°000	+32°796	0.90	43.1474	10.4	†	52°551	-59°903	2.00	44.1574	9.5
*	36°179	+2°126	1.00	43.1465	9.8	*	42°057	+29°250	1.50	43.1476	9.6	...	52°913	-36°191	-3	...	...
...	36°287	+35°397	-2	...	...	...	42°120	-23°735	0.85	44.1562	10.4	...	53°301	-9°962	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1081-1100						1101-1111											
1081	+53'340	-27'190	1·90	44.1576	9·2	1101	+57'093	-28'115	— 5	...	...				
...	53'362	-31'750	0·85	44.1575	10·2	...	57'671	-17'067	- 3	...	...				
...	53'795	+31'507	- 5	<i>e</i>	...	...	57'700	+ 4'404	- 5	...	...				
...	54'387	+18'358	1·00	43.1486	10·0	...	58'423	+11'821	0·85	43.1492	10·4						
...	54'424	+18'736	- 5	<i>e</i>	...	...	58'446	-21'589	0·85	44.1582	10·4						
†	+54'504	-23'366	1·05	44.1577	9·8	...	+58'452	-15'396	1·00	44.1581	10·0						
†	54'614	+26'368	- 2	...	...	...	58'462	- 5'491	0·80	44.1580	10·4						
†	54'657	-45'449	- 1	44.1579	10·2	...	58'656	-14'493	- 5	...	...				
...	54'937	-25'495	- 5	...	...	...	58'760	-29'199	- 5	...	...				
...	55'216	+21'929	- 2	...	...	...	58'890	- 6'550	0·90	44.1583	10·4						
1091	+55'430	+ 1'684	1·15	43.1488	9·8	1111	+58'944	+49'004	- 3	43.1491	10·4						
...	55'581	+32'688	- 5	<i>m</i>	...												
...	55'623	+51'263	- 1	43.1487	10·0												
...	55'688	+24'556	- 3	...	...										
...	55'823	-24'920	- 5	...	...										
S*	+55'912	+14'131	4·00	43.1489	7·4												
...	56'383	-54'324	- 5	...	...										
...	56'863	-56'017	- 5	...	...										
...	56'875	- 8'921	- 5	...	...										
N	57'073	- 1'040	- 1	43.1490	10·4												

1100. Mass. 44°·46, two stars; 45°·45, mass.

1-30						31-60						61-90												
S*	-59'393	-37'235	1·90	44.1567	8·8	31	-52'559	+ 1'720	1·10	43.1488	9·8	61	-46'758	-20'413	1·00	44.1585	10·0							
...	59'168	-33'752	- 4	...	...	S*	52'427	+14'181	3·00	43.1489	7·4	...	46'755	-16'205	1·00	44.1584	9·8						
...	58'895	+57'203	- 1	42.1398	10·2	...	52'235	+47'826	- 5	M	...	...	46'618	+20'969	- 5	M	...						
...	58'721	+13'256	1·05	43.1483	9·7	...	52'234	-25'465	- 5	...	...	...	46'433	+57'871	1·40	42.1410	9·8						
...	58'391	-47'978	- 2	44.1568	10·4	...	52'173	-37'626	- 5	...	...	...	46'412	-20'181	0·80	44.1586	10·2						
...	-58'384	+11'448	- 5	M	...	...	-52'101	+25'626	- 5	M	...	...	*	-46'320	- 7'423	1·00	43.1494	9·8					
...	58'231	-14'185	0·90	44.1569	10·4	...	51'913	-45'412	- 1	44.1579	10·2	...	†	46'150	+44'896	- 4	...	...				
...	* 57'798	+ 4'167	1·60	43.1484	9·0	...	51'371	-24'870	- 5	...	...	...	...	46'046	-46'180	- 4	M	...					
...	57'699	-49'654	- 1	44.1570	10·2	N	50'845	- 0'930	- 3	...	...	...	...	* 45'718	-57'232	1·40	44.1587	9·8					
...	56'844	+ 8'292	- 1	...	...	N	50'831	- 0'968	- 2	43.1490	10·4	...	...	* 45'564	-11'763	- 2	...	...				
...	56'728	+36'786	- 2	...	...	41	...	...	...	...	...	...	...	71	-45'540	+23'168	- 5	M	...				
...	56'623	-45'688	- 4	...	...	...	-50'802	- 8'833	- 4	...	...	...	...	...	* 45'400	+ 3'593	1·30	43.1495	9·4				
...	56'398	- 2'468	- 4	...	...	...	50'481	+49'127	- 2	43.1491	10·4	...	...	...	* 45'341	-14'511	1·10	44.1588	9·8				
...	56'271	-28'963	- 1	44.1571	10·4	...	50'122	- 4'287	- 5	...	...	...	...	...	...	44'940	-53'631	- 4	M	...			
...	56'024	-15'738	- 4	...	...	...	50'013	-28'014	- 4	...	...	...	...	...	...	44'935	- 7'579	- 5	M	...			
...	-56'002	- 2'865	0·70	43.1485	10·4	...	49'916	-54'234	- 4	...	...	...	...	...	...	44'920	-50'837	- 5	...	...		
...	55'820	- 7'241	- 5	...	...	...	49'879	+11'952	0·80	43.1492	10·4	...	...	...	...	44'919	-54'132	- 3	...	...		
...	55'355	-57'533	- 1	44.1572	10·0	...	† 49'760	-16'955	- 4	...	...	...	...	...	...	† 44'855	- 6'242	- 5	...	...		
...	55'103	+31'484	- 5	E	...	...	49'580	-46'826	- 5	...	...	...	...	...	...	† 44'814	-18'459	- 5	...	...		
...	54'873	-21'331	- 3	...	...	...	49'298	- 5'354	0·75	44.1580	10·4	...	...	...	...	† 44'333	-44'808	- 3	...	...		
...	54'135	+26'378	- 2	...	...	...	49'216	+56'462	- 3	...	...	...	...	...	...	81	-44'033	+51'947	1·05	43.1496	9·8		
...	54'105	+18'363	0·95	43.1486	10·0	...	...	...	...	...	...	...	...	...	...	...	...	43'925	-41'277	- 4	...	...
...	54'085	+18'750	- 5	E	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43'821	-50'285	- 5	43.1497	10·4
...	53'938	-36'215	- 4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43'852	-21'446	0·85	44.1582	10·4
...	53'857	+51'287	0·65	43.1487	10·0	...	...	...	...	...	...	...	...	...	...	...	...	...	43'821	-50'285	- 5	...	...
...	* 53'769	-27'195	1·60	44.1576	9·2	...	...	...	...	...	...	...	...	...	...	...	...	...	43'460	-44'922	- 5	...	...
...	53'609	-31'751	- 1	44.1575	10·2	...	...	...	...	...	...	...	...	...	...	...	...	...	43'427	-50'520	- 3	43.1498	10·4
...	53'395	+21'956	- 2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43'250	-39'984	- 5	...	...
...	53'002	+24'595	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43'103	+41'102	- 4	M	...
...	52'716	-23'347	1·00	44.1577	9·8	...	...	...	...	...	...	...	...	...	...	...	...	...	43'170	-53'800	5·00	43.1499	6·5
						42'895	+48'129	- 4
						42'826	+53'929	2·00	43.1499	6·5

L measured from 1, 456. MC " " 199, 759.

39, 40, 44, 45, 45, 45, mass 88, 90. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	...	...	...	...	...	151	...	...	...	...	...	211	...	...	...	...	...
...	-42.657	-6.981	-3	...	...	...	-35.060	+7.169	-3	...	...	...	-28.429	-6.825	0.65	...	...
*	42.602	-1.072	1.00	43.1500	10.0	...	35.031	+0.376	0.65	...	...	...	28.422	+18.863	-4	M	...
...	42.531	-32.867	-5	...	...	...	34.965	-19.467	-4	...	...	...	28.090	+16.969	-4	...	...
†	42.508	+10.019	1.10	43.1501	9.4	S †	34.874	-42.359	3.00	44.1598	7.9	...	28.073	+1.171	-2	...	...
...	42.428	-37.685	-2	...	...	...	34.641	+17.270	-5	M	...	...	27.984	-18.554	-5	...	...
...	-42.319	-4.523	-2	...	...	...	-34.548	-0.426	-4	M	...	...	-27.753	-40.765	-5	...	...
...	42.182	+7.978	0.75	...	...	...	34.408	-33.837	-3	...	...	...	27.535	+2.529	-2	43.1518	10.4
†	42.173	+14.940	-5	M	...	...	34.362	-36.810	-5	...	...	...	27.371	+53.865	-2	...	...
...	41.884	-19.835	-5	...	...	...	34.354	+47.876	-3	...	...	*	27.268	-22.221	1.15	44.1614	9.6
...	41.751	-37.897	-3	...	...	...	34.155	-9.838	-3	...	...	...	27.221	-18.458	-4	...	...
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...
...	-41.614	+49.670	-5	M	...	...	-34.068	+42.431	-5	...	...	†	-27.196	+14.901	-3	...	...
...	41.565	-29.749	0.80	44.1589	10.4	...	33.980	+53.528	-4	43.1513	10.4	...	26.981	-12.112	0.85	44.1615	10.0
...	41.480	-8.060	-5	...	...	...	33.856	-39.639	-5	...	...	...	26.961	-6.925	-4	...	...
...	41.339	-52.065	-5	...	...	...	33.852	-36.852	-5	...	...	...	26.848	-18.287	-4	...	...
...	41.264	-14.159	-3	44.1590	10.4	...	33.851	+1.335	-5	M	...	...	26.801	-54.351	1.00	44.1616	9.8
†	-40.980	-15.002	-3	...	...	...	-33.567	-59.741	-1	44.1600	10.0	*	-26.791	+56.129	1.15	43.1519	9.8
...	40.552	-20.406	-1	...	...	*	32.945	-41.885	1.00	44.1602	9.8	...	26.787	-37.848	-5	...	...
...	40.517	-12.119	-5	...	...	...	32.848	+18.918	-5	M	...	...	26.763	+41.209	-3	...	...
...	40.392	+1.856	-4	M	...	...	32.678	-13.381	0.65	44.1606	10.4	...	26.755	-2.498	-4	...	...
...	40.288	+51.290	-3	...	...	...	32.630	-56.425	-3	44.1604	10.4	...	26.692	+48.218	-3	...	...
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...
...	-40.165	-54.600	-5	...	...	...	-32.621	-3.558	0.75	44.1607	10.1	...	-26.669	+56.770	-3	B	...
...	40.113	-14.506	-1	...	...	*	32.611	-57.015	1.80	44.1603	9.0	...	26.636	-58.851	-4	...	...
...	40.089	-33.024	-3	...	...	...	32.571	+18.570	-5	M	...	...	26.292	-2.847	-4	...	...
...	39.977	-54.185	-4	...	...	...	32.513	+31.649	-4	M	...	...	26.153	+33.194	-3	...	...
...	39.923	+50.587	-1	43.1502	10.0	...	32.491	-38.658	-5	...	...	...	26.139	+31.578	-2	...	...
...	-39.504	-17.521	-5	...	...	...	-32.437	+25.433	-5	M	...	...	-26.123	-12.257	1.00	44.1617	9.8
*	39.465	+8.892	1.60	43.1503	8.9	...	32.295	-56.284	-4	44.1605	10.4	...	26.113	+45.586	0.90	43.1521	10.0
...	39.449	-8.026	-5	...	...	*	31.971	-5.599	0.95	44.1608	10.1	...	26.086	+8.678	-4	M	...
*	39.354	-23.923	1.30	44.1591	9.3	...	31.908	+6.489	-3	M	...	...	26.078	-21.725	-4	...	...
*	39.304	+16.972	1.05	43.1504	9.6	...	31.753	-47.836	-5	...	...	*	26.058	+5.862	1.00	43.1520	9.8
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
...	-39.245	-56.436	-5	...	...	...	-31.707	-8.495	-5	...	...	...	-26.013	+30.937	-5	M	...
...	39.048	-52.492	-5	...	...	*	31.488	-23.430	1.05	44.1609	9.6	...	26.006	-10.732	0.90	44.1618	9.8
...	38.998	+47.738	-5	M	...	...	31.425	+2.980	0.75	43.1514	10.4	...	25.653	+27.534	0.65	...	...
...	38.781	-2.366	-3	...	...	...	31.383	+9.644	-2	B	...	...	25.645	+57.606	0.65	42.1430	10.2
...	38.634	-14.765	-5	...	...	...	31.136	+23.895	-5	M	...	...	25.480	+9.065	-4	M	...
...	-38.287	+6.691	-4	M	...	...	-30.984	+52.031	-5	...	...	...	-25.410	-8.367	0.90	44.1619	9.8
...	38.185	-17.569	-4	...	...	...	30.795	-37.161	-4	...	...	*	25.302	-31.937	1.00	44.1620	9.8
...	38.159	+8.848	0.65	...	...	...	30.757	-44.113	-4	...	...	...	25.059	+46.283	-4	M	...
...	38.102	+23.765	0.85	43.1505	10.1	...	30.614	+31.322	0.75	43.1516	10.4	...	24.955	-33.222	-4	...	...
...	37.976	-25.247	-5	M	...	*	30.543	+12.290	2.00	43.1515	8.8	...	24.929	-16.616	-5	...	...
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
...	-37.422	+5.233	0.75	43.1506	10.4	*	-30.541	+58.966	1.60	42.1427	9.2	...	-24.685	+20.614	-3	43.1522	10.4
*	37.305	-42.943	1.05	44.1592	9.8	...	30.408	+30.486	-3	...	...	...	24.617	-51.605	-2	44.1621	10.4
...	37.289	+40.050	0.95	43.1507	10.4	...	30.320	-41.106	0.75	44.1611	10.4	...	24.574	+39.298	-4	...	...
...	37.229	+41.254	-4	...	...	*	30.309	-55.744	1.10	44.1610	9.6	...	24.505	-7.773	0.65	44.1622	10.4
*	37.061	+30.017	1.00	43.1508	9.8	...	30.081	-8.268	-5	...	...	...	24.366	-51.295	-1	44.1623	10.4
...	-37.024	+44.716	-5	M	...	...	-30.012	+14.514	0.75	...	...	*	-24.173	-47.705	1.95	44.1625	8.8
...	37.019	+18.564	-4	M	...	...	29.921	-39.109	1.00	44.1612	10.1	...	24.150	-30.289	-5	M	...
...	36.802	+36.877	-4	...	...	†	29.889	+29.541	0.65	43.1517	10.4	...	23.999	+48.961	-3	...	...
...	36.500	-22.374	0.90	44.1594	10.1	N	29.693	-58.829	0.95	44.1613	10.0	...	23.997	-55.231	-2	44.1624	10.4
...	36.318	+18.049	-5	M	...	...	29.656	-18.656	-4	...	...	...	23.982	-0.577	-5	...	...
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
...	-36.255	+11.286	0.95	43.1510	10.1	...	-29.606	-46.898	-3	...	...	...	-23.920	-28.010	-5	M	...
*	36.235	+16.692	0.95	43.1511	10.0	...	29.594	+23.621	-5	M	...	...	23.836	+13.133	-4	M	...
*	36.216	-2.005	0.95	43.1509	10.0	...	29.577	-36.007	-3	...	...	†	23.773	+39.893	0.65	43.1523	10.4
...	36.015	+1.687	-2	B	...	...	29.560	+52.608	-5	M	...	...	23.566	+34.708	-2	43.1524	10.4
*	35.771	+42.097	1.00	43.1512	9.8	...	29.500	+2.237	-5	M	...	...	23.507	-43.856	-2	...	...
...	-35.714	-23.766	-5	...	...	...	-29.472	-56.007	-5	...	...	...	-23.404	-17.500	-4	...	...
*	35.465	-12.375	1.40	44.1595	9.4	...	29.070	-8.346	-4	...	...	...	23.377	+15.302	-5	M	...
...	35.311	-13.949	0.90	44.1596	10.2	...	28.992	-23.205	-4	...	...	...	23.286	+20.285	-5	M	...
...	35.267	+12.882	-4	M	...	...	28.983	-11.430	-5	...	...	...	23.217	-24.470	-4	...	...
...	35.099	-17.187	0.85	44.1597	10.1	...	28.475	+2.011	-5	M	...	...	23.156	+57.255	1.05	42.1433	9.8

199. Mass. 45°.45, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
271-330						331-390						391-450						
271	-23·155	-22·489	- 5	...	...	331	-16·140	+11·693	- 4	...	...	391	- 8·734	+41·011	- 4	...	...
...	23·144	-37·270	1·00	44.1626	9·8	...	16·060	+55·124	0·85	...	...	...	8·645	-35·296	1·40	43.1550	9·4	
*	23·098	+ 2·479	0·65	43.1525	10·4	Sn*	15·924	+55·352	1·90	43.1539	8·1	...	...	8·526	+11·285	- 5	M	...
...	22·929	-16·927	- 5	...	...	...	15·213	-52·740	- 5	...	...	...	...	8·213	+29·297	- 5	M	...
...	22·832	+24·703	- 4	M	...	...	15·168	-27·875	0·75	44.1636	10·2	...	...	8·183	-44·012	0·75	44.1646	10·2
...	-22·829	+22·929	0·85	43.1526	10·0	...	-15·152	-10·198	- 5	...	...	...	*	8·084	-45·305	1·50	44.1647	9·3
...	22·685	+38·488	- 4	...	...	†	14·808	+16·426	- 3	43.1540	10·4	...	...	8·071	- 3·174	- 5	M	...
*	22·529	-58·532	1·10	44.1627	9·6	...	14·772	-59·371	- 4	...	...	...	*	7·941	+47·159	0·65	...	...
...	22·347	+51·621	- 4	M	...	...	14·612	+ 7·965	- 4	M	...	...	*	7·751	-40·558	1·00	44.1648	9·8
...	22·331	+32·924	1·15	43.1527	9·8	...	14·414	+43·771	- 5	M	...	...	...	7·634	+ 28·430	- 5	M	...
281	-22·136	-37·220	- 5	...	...	341	-14·333	- 7·807	0·65	44.1637	10·4	401	- 7·530	- 4·786	- 5	...	...
...	22·017	-37·094	0·70	44.1628	10·4	...	14·178	+29·998	- 1	...	...	...	...	7·439	- 1·504	- 5	M	...
...	21·978	-42·680	- 4	...	...	...	14·121	-11·219	0·65	44.1638	10·4	...	...	7·324	-36·883	- 5	M	...
...	21·845	+16·034	- 5	M	...	...	14·078	- 3·827	- 5	...	...	...	...	7·289	+ 4·049	0·70	43.1551	10·1
...	21·790	- 8·794	- 4	...	...	*	13·970	+43·524	1·10	43.1541	9·8	...	...	7·259	+11·431	- 4	M	...
...	-21·714	-10·607	0·70	44.1629	10·4	...	-13·960	-39·809	- 1	44.1639	10·4	...	...	- 7·184	-13·444	0·70	44.1649	10·2
...	21·573	-37·750	0·75	44.1630	10·2	*	13·952	-18·880	1·40	44.1640	9·6	...	...	7·125	-50·504	- 5	...	...
...	21·556	- 9·533	- 4	...	...	...	13·503	+22·992	- 3	...	...	...	...	7·117	-50·232	- 5	...	...
...	21·382	+11·501	- 4	M	...	*	13·393	+11·346	1·20	43.1542	9·5	...	...	7·113	-17·707	0·70	44.1650	10·4
*	21·315	+27·460	1·05	43.1528	9·8	...	13·328	+53·774	- 4	...	...	...	...	7·081	-37·956	- 4	...	...
291	-21·314	+40·144	1·15	43.1529	9·6	351	-13·244	-45·458	- 4	...	...	411	- 6·989	+27·771	0·85	43.1552	10·0	
*	21·160	+ 1·799	0·65	43.1530	10·4	...	13·149	-51·743	- 4	...	...	...	...	6·760	+17·285	0·95	43.1553	10·0
...	21·147	-51·121	- 3	...	...	...	13·107	+47·536	0·65	43.1543	10·4	...	...	6·455	-21·070	0·65	44.1651	10·4
...	21·114	+29·380	- 3	...	...	...	13·034	+17·313	- 3	...	...	...	...	6·148	- 1·069	- 1	43.1554	10·4
...	21·057	+21·809	0·65	...	...	...	12·974	-55·284	- 5	...	...	...	...	6·070	-36·837	- 5	m	...
S*	-20·793	-18·166	2·00	44.1631	8·6	...	-12·815	+11·137	- 2	43.1544	10·2	...	...	- 5·860	- 6·298	- 1	44.1652	10·4
...	20·374	-30·544	- 5	...	...	*	12·771	-41·755	0·95	44.1641	9·8	...	...	5·666	- 9·139	1·00	44.1653	9·8
...	20·298	-22·606	- 5	...	...	...	12·748	+41·875	0·70	43.1545	10·2	...	...	5·609	-51·171	- 4	...	...
...	20·260	-17·604	- 5	...	...	...	12·726	-44·201	- 3	...	...	...	...	5·240	-15·923	1·00	44.1654	9·8
...	20·241	+28·733	- 5	M	...	...	12·552	+55·660	- 2	43.1546	10·4	...	...	5·214	+35·549	0·75	43.1555	10·2
301	-20·210	- 3·960	- 2	...	...	361	-12·205	+55·341	- 5	...	...	421	- 5·123	+21·847	1·60	43.1556	9·2	
...	20·144	+18·747	- 5	M	...	...	12·071	+26·190	- 4	M	...	†	4·919	-25·186	- 4	...	...
...	20·133	+35·528	0·65	43.1532	10·4	...	12·005	+43·556	0·65	43.1547	10·4	...	...	4·775	-10·238	- 1	...	...
...	20·131	+ 2·107	0·70	43.1531	10·4	...	11·935	+59·061	- 5	M	...	...	...	4·683	-19·228	- 3	...	...
†	19·917	-23·080	- 5	...	...	...	11·642	-49·065	- 5	...	...	...	...	4·529	-35·169	- 2	44.1655	10·4
†	-19·910	-50·771	- 4	...	...	...	-11·427	-41·953	- 5	...	...	...	...	- 4·455	+14·915	- 5	M m	...
†	19·774	- 4·968	- 5	...	...	...	11·176	+38·774	0·75	43.1548	10·2	*	4·209	-33·511	1·00	44.1656	10·0	
...	19·562	-28·704	0·95	44.1632	9·8	...	11·078	+10·411	- 4	M	...	...	...	4·206	- 4·816	- 4	m	...
...	19·489	-17·375	- 5	...	...	...	11·068	+26·336	- 5	M	...	†	3·881	+59·724	- 1	42.1450	10·2	
...	19·050	- 7·947	- 5	M	...	...	11·005	+35·216	- 5	M	...	...	...	3·853	-16·734	- 3	...	...
311	-18·960	- 1·933	- 4	...	...	371	-10·898	+54·994	1·20	43.1549	9·5	431	- 3·676	+18·393	0·65	43.1557	10·4	
†	18·916	-19·947	- 5	...	...	...	10·873	-36·260	- 1	...	...	...	...	3·533	- 3·677	- 4	...	...
...	18·706	-13·159	- 4	...	...	...	10·533	+39·761	- 5	M	...	...	...	3·475	-47·748	0·65	44.1657	10·4
...	18·627	-43·807	- 5	M	...	...	10·481	-40·573	- 4	...	...	...	...	3·233	-51·706	- 5	...	...
...	18·564	+21·201	- 5	M	...	...	10·361	+58·419	0·90	42.1443	10·2	...	...	2·904	-19·550	- 5	...	...
...	-18·132	+18·088	- 5	M	...	*	-10·107	-18·580	1·40	44.1642	9·4	...	...	- 2·789	-14·012	- 5	m	...
...	18·127	+51·461	0·85	43.1533	10·0	...	10·080	-17·042	- 4	44.1643	10·4	...	...	2·456	-35·032	- 4	M m	...
...	17·705	+24·127	- 4	...	...	...	10·050	+23·069	- 4	M	...	...	...	2·186	-19·217	- 1	44.1658	10·4
...	17·632	+23·590	0·75	43.1535	10·2	...	9·741	-55·404	- 1	44.1644	10·4	...	...	2·128	-37·858	- 3	...	...
...	17·581	+31·633	0·90	43.1534	10·1	...	9·716	+16·092	- 4	...	...	...	...	2·116	- 51·439	- 1	43.1558	10·4
321	-17·448	-10·471	- 5	...	...	381	- 9·689	+ 4·670	- 2	...	...	441	- 2·015	+31·863	- 5	M m	...	
S*	17·090	+ 7·653	1·80	43.1536	9·0	...	9·674	+ 5·885	- 4	...	...	*	1·899	+34·207	1·85	43.1559	8·9	
...	16·984	+ 7·199	- 3	M	...	...	9·559	+ 7·962	- 5	M	...	...	...	1·563	-56·449	- 5	...	...
*	16·775	-36·798	1·60	44.1633	9·3	...	9·503	-39·721	- 5	...	...	...	...	1·437	- 0·706	- 5	m	...
...	16·678	+21·081	- 4	...	...	...	9·202	-35·565	- 5	...	...	...	...	1·413	+32·846	- 4	M m	...
...	-16·621	+ 5·069	- 5	M	...	...	- 8·940	+27·256	- 5	M	...	...	...	- 1·339	-25·610	- 4	...	...
...	16·476	+40·213	0·80	43.1537	10·0	...	8·923	-34·853	0·65	44.1645	10·1	...	...	1·165	-11·304	- 5	M m	...
...	16·460	-21·426	0·80	44.1634	10·0	...	8·852	- 4·630	- 4	...	...	...	...	1·151	-19·340	- 2	43.1560	10·4
*	16·434	+15·983	0·85	43.1538	10·0	...	8·779	+53·322	- 5	M	...	...	...	1·057	- 3·495	- 5	M m	...
*	16·403	-11·776	1·00	44.1635	9·8	...	8·766	-39·849	- 4	...	...	...	...	0·745	-22·627	- 5	...	...

332, 333. C.P.D., suspected double.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
451-510							511-570							571-630						
451	- 0·690	+ 35·881	- 1	43.1561	10·4		511	+ 6·585	+ 13·928	0·65	...	...	571	+ 11·798	+ 16·455	- 4	...	...
...	0·614	- 58·355	- 4	...	...		...	6·650	- 57·963	- 1	...	...	...	11·833	- 19·137	- 5	...	...
*	0·525	- 21·261	1·10	44.1659	9·8		...	6·716	+ 48·129	0·85	43.1569	10·2	...	11·908	+ 13·809	- 4	m	...		
...	0·204	+ 49·368	- 5	M m	...		†	6·774	+ 24·807	0·70	43.1570	10·4	...	12·015	+ 22·424	- 4	m	...		
...	- 0·049	+ 45·450	0·75	43.1562	10·4		...	6·795	- 37·185	- 5	...	...	...	12·056	- 52·888	- 5	...	...
...	+ 0·476	+ 46·557	0·65	...	...		...	+ 6·844	- 26·714	0·65	...	...	...	+ 12·180	- 14·867	- 5	...	...
...	0·501	+ 50·205	- 3	...	...		*	6·855	- 51·790	1·25	44.1665	9·6	...	12·282	- 58·705	- 2	...	...
...	0·502	- 24·423	- 5	...	...		*	6·874	+ 5·682	1·05	43.1572	10·0	...	12·335	- 21·349	- 5	m	...
...	0·651	- 36·545	- 5	m	...		...	6·985	- 54·642	0·95	44.1666	10·0	...	12·358	+ 7·444	0·70	...	...
...	0·762	- 58·336	- 5	...	...		*	7·026	+ 40·072	0·95	43.1571	10·0	...	12·529	+ 6·325	- 5	m	...
461	...	...	...	...	...		521	...	...	...	...	...	581	...	...	...	...	...
...	+ 0·787	- 27·681	- 5	...	...		...	+ 7·177	+ 12·929	0·80	43.1573	10·4	...	+ 12·636	- 7·459	- 1	...	...
...	0·902	- 11·520	- 2	...	...		...	7·265	- 31·031	0·65	...	...	...	13·079	- 19·469	- 2	...	...
...	0·923	- 39·653	- 5	...	...		...	7·318	- 10·237	- 3	...	...	...	13·126	+ 33·601	- 5	m	...
...	0·937	- 1·676	0·75	43.1564	10·4		...	7·343	- 11·774	- 5	...	...	...	13·149	- 10·081	- 4	...	...
...	1·006	+ 12·497	- 4	M m	...		...	7·364	+ 22·128	- 4	...	...	...	13·165	+ 25·239	0·95	43.1582	10·0
...	+ 1·160	- 11·279	- 4	...	...		...	+ 7·369	- 20·775	0·70	44.1667	10·4	...	+ 13·309	+ 25·346	0·75	...	...
...	1·202	+ 53·566	0·85	43.1563	10·4		...	7·384	+ 50·299	- 4	...	...	...	13·363	- 10·780	- 5	m	...
...	1·351	- 8·261	- 4	...	...		...	7·486	+ 22·930	- 5	m	...	...	* 13·388	- 17·454	1·00	44.1677	9·8
...	1·378	- 7·851	- 5	M m	...		...	7·490	- 49·419	- 5	...	...	...	* 13·655	+ 3·653	1·00	43.1584	9·8
S *	1·491	+ 26·603	1·60	43.1565	9·2		...	7·493	+ 7·929	- 4	m	...	...	13·734	+ 42·291	- 5	m	...
471	...	...	...	...	...		531	...	...	...	...	...	591	...	...	...	...	...
*	+ 1·649	- 17·537	1·30	44.1660	9·3		...	+ 7·502	- 2·263	- 5	m	...	...	+ 13·856	- 6·612	- 4	...	...
...	1·693	- 1·635	0·75	43.1566	10·4		...	7·770	- 46·336	- 5	...	...	...	13·937	+ 31·119	1·00	43.1583	10·0
...	1·798	- 54·623	0·65	44.1661	10·2		...	7·785	- 23·396	0·70	44.1668	10·4	...	14·063	- 19·587	- 5	m	...		
...	2·031	- 27·674	- 5	...	...		...	7·790	- 32·125	1·05	44.1669	9·8	...	14·251	- 7·011	- 4	...	...
...	2·096	- 36·351	- 5	...	...		...	* 7·889	+ 54·418	- 2	...	...	...	14·251	- 22·131	- 1	...	...
...	+ 2·194	+ 0·562	- 5	M m	...		...	+ 7·916	- 23·690	- 4	...	...	...	+ 14·609	+ 25·539	- 2	...	...
...	2·248	- 43·371	- 5	...	...		...	* 8·014	+ 32·827	1·80	43.1574	9·2	...	14·648	- 6·832	- 3	...	...
...	2·378	- 44·275	- 5	...	...		...	8·127	- 58·096	- 5	...	...	...	14·768	+ 27·145	- 5	m	...
...	2·402	+ 10·368	0·70	...	...		...	8·480	- 53·481	- 4	...	...	...	14·842	+ 27·179	- 2	...	...
...	2·419	- 2·602	0·70	...	...		...	* 8·686	- 21·499	1·00	44.1670	9·8	...	† 15·126	+ 27·075	- 5	...	...
481	...	...	...	...	...		541	...	...	...	...	...	601	...	...	...	...	...
...	+ 2·654	+ 38·647	- 4	...	...		...	+ 8·706	+ 10·115	- 4	m	...	...	+ 15·216	- 31·255	- 5	...	...
...	2·725	- 22·168	- 5	M	...		...	* 9·044	- 2·399	1·05	43.1575	9·8	...	15·241	+ 1·183	- 5	m	...
...	2·773	+ 34·199	- 5	M m	...		...	9·073	- 48·351	- 5	...	...	...	† 15·441	+ 19·914	- 1	43.1585	10·1
...	3·004	- 20·859	0·70	44.1662	10·4		...	9·232	- 6·727	- 4	m	...	...	15·477	+ 3·964	- 2	...	...
...	* 3·136	+ 27·245	1·00	43.1567	9·8		...	9·285	+ 55·451	- 3	...	...	...	15·512	- 43·347	- 5	...	...
...	+ 3·143	- 59·683	- 5	M m	...		...	+ 9·367	- 26·202	- 4	...	...	...	* 15·619	- 0·468	1·30	43.1586	9·8
...	3·745	- 0·423	0·70	...	...		...	9·402	+ 12·824	- 5	m	...	...	15·697	- 0·626	- 2	...	...
...	3·791	+ 27·460	- 5	M m	...		...	9·501	- 14·250	- 2	...	...	...	15·710	+ 31·824	- 3	...	...
...	3·852	- 35·695	- 5	...	...		...	9·602	- 39·425	0·85	44.1671	10·4	...	15·759	- 51·530	- 4	...	...
...	3·996	+ 25·984	- 5	M m	...		...	9·653	+ 51·331	- 5	m	...	...	15·778	+ 21·720	- 4	...	...
491	...	...	...	...	...		551	...	...	...	...	...	611	...	...	...	...	...
...	+ 4·030	+ 23·727	0·90	43.1568	10·0		...	+ 9·701	- 30·943	0·65	...	...	...	* 15·850	- 11·840	1·05	44.1680	9·8
...	4·227	+ 44·513	- 5	M m	...		...	9·773	+ 14·047	0·95	43.1576	10·1	...	S * 15·854	+ 5·433	1·00	43.1587	9·8
...	4·357	- 9·774	- 4	M	...		...	9·778	- 28·795	- 4	...	...	...	15·857	+ 2·158	- 5	m	...
...	4·388	+ 35·944	- 3	...	...		...	9·925	- 54·617	- 5	...	...	...	15·869	+ 18·669	- 1	...	...
...	4·417	- 32·423	- 2	...	...		...	† 10·057	+ 4·604	- 3	43.1578	10·4	...	15·938	- 46·545	- 5	...	...
...	+ 4·649	- 23·567	0·70	...	...		...	* 10·185	+ 42·776	1·00	43.1577	10·1	...	+ 16·232	+ 26·184	1·00	43.1588	10·0
...	4·838	- 16·048	0·65	44.1663	10·4		...	10·221	- 29·087	- 3	...	...	...	16·368	- 43·127	- 4	...	...
...	4·926	- 30·762	- 2	...	...		...	* 10·321	+ 9·175	1·15	43.1579	9·6	...	16·433	+ 22·988	- 5	m	...
...	† 5·045	- 35·587	- 4	...	...		...	10·401	+ 35·698	- 1	...	...	...	16·466	- 54·649	- 3	...	...
...	† 5·146	- 21·276	- 4	M	...		...	10·723	+ 5·959	0·80	43.1580	10·4	...	16·633	- 36·859	- 5	...	...
501	...	...	...	...	...		561	...	...	...	...	...	621	...	...	...	...	...
...	+ 5·260	- 15·659	- 5	A m	...		...	+ 10·795	- 44·659	0·90	44.1672	10·4	...	+ 16·761	+ 51·535	- 4	...	...
...	5·380	- 41·716	- 4	...	...		...	10·832	- 57·191	0·75	44.1673	10·0	...	16·930	- 30·263	0·70	...	...
...	5·495	- 39·004	- 5	...	...		...	10·845	- 0·620	- 5	m	...	...	16·947	+ 42·242	0·95	43.1589	10·4
...	5·512	+ 54·397	- 2	...	...		...	10·937	- 6·003	- 5	m	...	...	17·015	- 13·256	0·85	44.1681	10·4
...	5·645	+ 31·852	- 5	m	...		...	11·009	- 38·296	- 3	...	...	...	17·268	+ 9·108	0·70	...	...
...	+ 5·772	+ 43·381	- 5	...	...		...	* 11·092	- 22·406	0·85	44.1674	10·4	...	+ 17·305	+ 39·763	- 1	...	...
...	6·219	- 43·183	- 5	M	...		...	11·413	+ 19·158	0·95	43.1581	10·2	...	17·306	+ 5·565	- 5	m	...
...	* 6·324	- 18·074	1·00	44.1664	9·8		...	11·447	- 36·622	0·90	44.1675	10·4	...	17·380	- 48·500	- 4	...	...
...	6·471	- 38·252	- 4	...	...		...	11·529	+ 16·163	- 5	m	...	...	S * 17·401	- 28·419	3·00	44.1682	8·4
...	6·522	+ 32·440	- 4	m	...		...	11·759	- 30·953	0·70	44.1676	10·4	...	* 17·444	- 46·331	1·00	44.1683	10·0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
811-870						871-930						931-990					
811	+34.826	-50.230	1.30	44.1713	9.4	871	+42.566	-45.573	1.30	44.1728	9.4	931	+50.303	-48.109	1.70	44.1739	9.3
*	34.960	+50.267	-3	43.1619	10.4	...	42.635	-17.723	-4	...	...	...	50.340	-47.436	-4	...	...
†	35.515	+56.955	-1	42.1476	10.2	*	42.982	-13.141	1.10	44.1727	9.6	†	50.369	-20.076	-3	...	...
...	35.961	-37.577	-5	...	...	*	43.146	-33.778	1.40	44.1729	9.3	*	50.389	+12.873	1.90	43.1641	8.8
...	36.165	-23.011	-2	...	...	...	43.208	-15.208	-4	...	...	...	50.411	-43.040	1.00	44.1740	10.0
...	+36.207	+35.294	-3	...	...	...	+43.393	-11.510	-5	...	...	...	+50.422	-5.349	-4	...	...
...	36.231	+29.776	-3	...	...	...	43.684	+22.667	-4	m	...	...	50.525	+2.382	0.95	43.1642	10.0
...	36.292	+39.853	-5	m	...	...	43.757	+8.714	0.75	43.1631	10.4	...	50.575	-56.449	1.00	44.1741	9.8
†	36.349	-46.878	-5	...	...	...	43.770	+7.596	0.70	43.1630	10.4	...	50.610	-4.719	-5	...	...
...	36.381	-10.620	2.20	44.1714	8.6	...	43.795	-29.216	-2	...	...	...	50.686	-23.160	-3	...	...
*	...	...	...	...	...	881	...	...	...	...	...	941	...	...	...	...	...
821	+36.579	-37.413	0.65	44.1715	10.4	...	+43.889	-15.816	-4	...	...	n*	+50.732	+4.852	1.15	43.1643	9.5
...	36.939	+22.565	-1	43.1620	10.4	...	43.894	+1.490	-3	...	...	...	50.790	+12.662	-4	m	...
...	37.043	-13.546	-3	...	...	...	43.906	+40.110	0.75	43.1628	10.4	...	50.843	-25.943	-4	...	...
...	37.522	-36.318	-5	...	...	...	43.940	-38.921	-4	...	...	n†	50.886	+4.917	-2	43.1643	9.5
...	37.572	+47.633	0.85	43.1621	10.1	*	44.023	+24.319	1.00	43.1629	10.0	...	50.906	-7.930	0.65	...	...
...	+37.573	+9.440	-5	m	...	...	+44.037	-8.441	0.80	44.1730	10.2	...	+51.014	+57.580	-1	42.1484	10.0
...	37.627	-34.539	-3	...	...	...	44.124	-5.525	-3	...	...	...	51.046	+26.155	-4	...	...
S*	37.670	-45.982	3.55	44.1717	7.2	...	44.127	+4.057	-3	...	...	...	51.065	+19.546	0.90	43.1644	10.0
...	37.807	-32.626	0.90	44.1716	10.2	†	44.511	+54.830	-4	...	...	...	51.067	+14.340	-3	...	...
...	37.820	+25.746	0.80	43.1622	10.2	...	44.718	-7.726	0.80	44.1731	10.2	...	51.092	+2.690	-4	m	...
831	...	...	...	...	...	891	...	...	...	...	...	951	...	...	...	...	...
...	+38.045	-12.984	-3	...	...	...	+44.883	-5.251	-4	...	...	...	+51.273	-7.964	0.65	...	...
*	38.050	+0.479	1.05	43.1623	9.8	...	44.892	-6.620	-5	...	...	...	51.372	+6.070	-4	m	...
...	38.703	-33.565	-5	...	...	...	45.167	-7.747	-5	...	...	...	51.462	+39.200	0.85	43.1645	10.1
...	38.728	-26.113	-5	...	...	...	45.175	-12.352	0.85	44.1732	10.1	...	51.702	-4.668	-5	m	...
...	38.793	-14.056	-3	44.1719	10.4	...	45.423	-23.364	-3	...	...	*	51.718	+33.581	1.00	43.1646	9.8
...	+38.983	-9.444	-4	...	...	...	+45.667	-26.877	-5	...	...	...	+51.967	+39.310	-2	43.1647	10.4
...	39.207	+34.953	-5	m	...	...	46.061	+23.764	-3	...	...	*	52.230	+10.116	1.60	43.1649	9.2
...	39.254	-25.208	-5	...	...	...	46.180	+10.542	-4	m	...	...	52.284	+6.697	-5	m	...
*	39.255	-0.672	1.40	43.1625	9.8	...	46.419	-22.359	0.70	44.1733	10.2	...	52.328	+32.596	-4	...	...
*	39.342	-32.441	1.00	44.1721	10.0	...	46.484	-17.183	-5	...	...	...	52.643	-2.193	-4	...	...
841	...	...	...	...	...	901	...	...	...	...	...	961	...	...	...	...	...
*	+39.407	-15.742	1.20	44.1720	9.4	...	+46.701	+18.474	-4	...	...	S†	+52.664	+34.758	2.05	43.1648	8.4
...	39.421	+24.651	0.65	43.1624	10.4	†	46.714	+14.947	1.00	43.1632	9.8	...	52.713	-30.660	0.85	44.1742	10.4
...	39.422	-54.393	-4	...	...	...	46.793	+2.479	0.90	43.1635	10.0	...	52.925	-15.862	-3	...	...
...	39.668	-12.769	-3	...	...	...	46.832	-25.059	-5	...	...	...	53.095	-19.347	-3	...	...
...	39.693	-22.345	-4	...	...	†	46.847	+4.991	-4	...	...	...	53.318	+23.347	0.65	43.1651	10.4
...	+39.702	+44.997	-3	...	...	...	+46.926	-46.938	0.90	44.1734	10.0	...	+53.332	-5.853	-5	...	...
...	39.747	-29.791	-4	...	...	...	46.961	+18.875	0.65	43.1633	10.4	...	53.559	-11.791	-5	...	...
...	39.851	+29.290	0.65	...	...	...	46.961	+11.743	0.65	43.1634	10.4	...	53.620	+40.343	-3	43.1650	10.4
†	40.048	-33.251	0.75	44.1723	10.2	...	47.013	+21.891	-3	...	...	...	53.628	-57.296	-4	44.1744	10.4
...	40.126	+34.562	-3	b	...	...	47.033	+13.422	-5	m	...	...	53.675	+7.121	-5	m	...
851	...	...	...	...	...	911	...	...	...	...	...	971	...	...	...	...	...
...	+40.138	+26.060	-3	...	...	...	+47.037	-41.091	0.75	44.1735	10.4	...	+53.739	+9.028	-5	m	...
*	40.167	-12.806	1.20	44.1722	9.8	...	47.184	+8.604	-5	...	...	...	53.861	-18.481	-3	...	...
...	40.228	-19.890	-3	44.1724	10.4	...	47.463	-30.126	-3	...	...	...	53.985	+6.579	-2	...	...
...	40.261	+16.506	-4	m	...	†	47.736	-34.967	-5	...	...	...	54.098	+56.265	-4	...	...
...	40.519	-44.087	-4	...	...	*	47.787	+9.462	1.40	43.1636	9.3	*	54.117	-20.313	0.90	44.1743	10.0
...	+40.635	+24.203	-4	...	...	*	+47.915	-1.026	1.00	43.1637	9.8	...	+54.153	-36.767	-5	...	...
...	40.693	+32.331	-3	...	...	...	48.295	-53.845	-4	...	...	...	54.501	-44.466	-5	...	...
*	40.711	-48.435	2.10	44.1725	8.4	†	48.397	-54.978	-4	...	...	...	54.627	-24.388	-5	...	...
*	40.804	+26.600	1.50	43.1626	9.4	...	48.536	+3.114	-4	m	...	...	54.633	+10.262	0.65	43.1652	10.4
...	41.012	+18.290	-5	m	...	†	48.728	-20.011	1.20	44.1736	9.4	...	54.633	-18.062	-5	...	...
861	...	...	...	...	...	921	...	...	...	...	...	981	...	...	...	...	...
...	+41.226	+6.075	-4	m	...	...	+49.249	-40.685	0.75	44.1737	10.4	...	+54.855	+16.253	0.75	43.1653	10.2
...	41.245	-45.663	-5	...	...	...	49.320	+10.417	0.85	43.1639	10.0	†	54.959	+19.764	0.65	43.1654	10.4
...	41.555	-18.524	-5	...	...	...	49.375	-9.583	-4	...	...	†	55.008	-16.304	-5	...	...
...	41.857	-57.358	-5	...	...	...	49.641	+44.366	-2	43.1638	10.4	...	55.046	+17.638	0.95	43.1655	10.0
...	41.919	+34.602	-3	...	...	†	49.972	-34.825	-1	44.1738	10.1	*	55.088	-10.173	1.50	44.1745	9.3
...	+42.219	+44.292	-5	m	...	...	+50.058	-4.487	-3	...	...	...	+55.161	-13.112	-2	...	...
...	42.257	-2.791	-3	...	...	...	50.071	-42.684	-4	...	...	*	55.297	-37.299	1.50	44.1748	9.5
...	42.439	-4.688	0.75	44.1726	10.2	...	50.079	+18.425	-4	m	...	...	55.330	-21.365	0.75	44.1746	10.4
...	42.506	+7.324	0.70	43.1627	10.2	*	50.265	+31.587	1.00	43.1640	9.8	...	55.448	-37.739	0.80	44.1749	10.0
...	42.517	+15.066	-2	...	...	...	50.282	-47.682	-4	...	...	...	55.476	+17.220	0.95	43.1657	10.0

941, 944. C.P.D. possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-z.	No.		Mag.	x.		y.	-z.		No.	Mag.		x.	y.	-z.	No.	Mag.
991-1000						1001-1010						1011-1020								
991	+	55·707	+49·639	1·90	43·1656	9·2	...	+	56·695	+7·357	-5	e	...	1011	+	58·909	-45·210	1·00	44·1758	9·8
...	...	55·770	-4·511	0·70	44·1747	10·4	...	...	56·718	-31·019	-5	...	...	...	58·964	+5·694	-5	m	...	
...	*	55·851	-47·702	1·30	44·1751	9·8	...	...	56·839	+33·272	0·75	43·1660	10·4	...	...	59·152	+10·256	-5	e	...
...	†	56·012	+24·832	-4	e	...	...	...	56·902	-21·887	1·00	44·1753	9·8	*	...	59·164	+40·284	2·20	43·1661	8·6
...	...	56·167	-11·277	0·65	...	...	...	...	57·136	+18·843	-5	m	...	...	...	59·169	+15·434	-5	e	...
...	...	+56·178	-38·289	-4	44·1752	10·4	...	...	+57·701	-52·860	-3	44·1755	10·2	S*	+	59·285	-21·915	1·65	44·1757	9·1
...	...	56·221	+47·011	-3	43·1658	10·4	...	...	57·802	-10·190	0·85	44·1754	10·0	...	...	59·480	-39·271	-3	44·1760	10·4
...	...	56·280	+37·731	0·90	43·1659	10·1	...	...	57·824	-48·361	-4	...	...	...	...	59·500	-3·782	0·90	44·1756	10·1
...	...	56·373	-17·160	0·90	44·1750	10·0	...	...	58·066	+25·725	-5	m	...	...	...	59·502	-30·759	0·70	44·1759	10·4
...	...	56·469	-3·727	-2	...	...	...	†	58·666	-34·948	-4	...	...	...	...	59·577	+10·633	-5	e	...

I	1-40		Diam.	C.P.D.		Notes.	41-80		Diam.	C.P.D.		Notes.	81-120		Diam.	C.P.D.				
	x.	y.		-z.	No.		Mag.	x.		y.	-z.		No.	Mag.		x.	y.	-z.	No.	Mag.
†	-	59·643	-41·278	-3	44·1735	10·4	41	-	54·277	-30·681	0·90	44·1742	10·4	81	-	48·634	-48·212	-4	...	...
...	...	59·622	+44·219	-5	43·1638	10·4	...	...	54·246	-19·372	-4	...	...	...	...	48·629	-52·711	-1	44·1755	10·2
†	...	59·568	-47·126	-1	44·1734	10·0	...	...	54·153	+6·566	-3	...	...	...	...	48·319	-3·614	0·95	44·1756	10·1
†	...	59·534	-30·297	-4	...	...	...	...	54·014	-11·804	-5	...	...	...	...	48·213	-34·774	-3	...	...
...	...	58·921	+10·265	1·00	43·1639	10·0	*	...	53·735	+49·679	1·80	43·1656	9·2	S*	...	47·971	-21·739	1·60	44·1757	9·1
...	...	-58·679	+57·469	-1	42·1484	10·0	...	...	-53·612	+10·272	-2	43·1652	10·4	*	...	-47·651	-45·037	1·00	44·1758	9·8
...	...	58·626	+31·458	1·10	43·1640	9·8	...	...	53·573	+19·789	-1	43·1654	10·4	...	...	47·522	-11·103	0·95	44·1761	10·0
*	...	58·592	-20·154	1·20	44·1736	9·4	...	...	53·567	+16·271	0·95	43·1653	10·2	...	...	47·501	-30·584	0·85	44·1759	10·4
...	...	58·001	-53·994	-5	...	...	...	...	53·502	-18·478	-4	...	...	...	...	47·263	-39·088	-1	44·1760	10·4
*	...	57·929	+12·756	1·90	43·1641	8·8	...	...	53·425	+17·657	1·00	43·1655	10·0	...	...	47·139	-1·481	0·85	43·1663	10·2
11	...	-57·874	-55·094	-5	...	...	5†	...	-53·201	-20·306	1·00	44·1743	10·0	91	...	-46·975	-29·298	-5	...	...
...	...	57·724	-4·620	-4	...	...	...	...	53·142	+47·062	-5	43·1658	10·4	...	...	46·974	+53·588	-1	43·1664	10·2
...	...	57·662	+39·109	-1	43·1645	10·1	...	...	52·975	+17·259	1·00	43·1657	10·0	...	...	46·572	+11·506	-5	M	...
...	...	57·483	+2·273	1·00	43·1642	10·0	...	...	52·812	-6·137	-5	...	...	...	...	46·307	-14·103	0·95	44·1763	10·0
†	...	57·463	+19·448	0·90	43·1644	10·0	...	...	52·792	+37·776	-1	43·1659	10·1	*	...	46·222	-36·366	3·00	44·1762	7·8
...	...	-57·439	-40·807	-1	44·1737	10·4	...	...	-52·672	+24·901	-5	E	...	...	...	-45·925	-31·221	1·00	44·1765	10·0
n*	...	57·353	+4·753	1·05	43·1643	9·5	...	...	52·663	-36·733	-5	...	...	...	...	45·772	-39·870	0·70	44·1764	10·4
†	...	57·337	-5·456	-5	...	...	...	...	52·555	-57·275	-4	44·1744	10·4	...	...	45·545	+8·549	-2	...	...
...	...	57·313	+14·252	-5	...	...	...	...	52·552	-24·358	-5	...	...	...	...	45·307	+23·533	1·00	43·1666	10·0
...	...	57·234	+33·496	1·05	43·1646	9·8	*	...	52·531	-10·138	1·40	44·1745	9·3	...	...	45·268	+17·769	-2	43·1665	10·4
21	...	-57·196	+4·831	-2	43·1643	9·5	61	...	-52·436	-16·271	-5	...	...	...	...	-45·159	-54·482	-1	44·1766	10·2
n	...	57·148	+39·233	-4	43·1647	10·4	...	...	52·382	-13·077	-3	...	...	...	...	44·921	-18·315	-3	...	...
...	...	56·953	-20·172	-3	...	...	...	...	52·115	+33·294	-1	43·1660	10·4	...	...	44·906	-24·939	-5	...	...
...	...	56·894	-34·928	-1	44·1738	10·1	...	...	52·026	-4·460	0·85	44·1747	10·4	...	...	44·867	+10·830	0·90	43·1667	10·4
...	...	56·779	-8·026	0·65	...	...	...	...	51·953	-21·322	0·75	44·1746	10·4	†	...	44·775	-23·047	-4	...	...
...	...	-56·561	-42·769	-5	...	...	*	...	-51·501	-37·249	1·30	44·1748	9·5	...	...	-44·453	+26·699	-4	M	...
...	...	56·549	-23·256	-3	...	...	...	...	51·468	+7·426	-5	E	...	...	...	44·065	+40·320	-1	43·1668	10·4
...	...	56·414	-8·055	-2	...	...	...	...	51·425	-11·216	-3	...	...	...	...	43·419	+19·223	1·00	43·1669	10·0
S*	...	56·308	+34·705	2·00	43·1648	8·4	...	...	51·364	-3·653	-4	...	...	...	†	43·406	-5·396	0·90	44·1767	10·4
...	...	56·211	-43·128	0·80	44·1740	10·0	...	...	51·332	-37·674	0·90	44·1749	10·0	...	...	43·277	-24·904	-4	...	...
31	...	-56·203	-47·775	-5	...	...	71	...	-51·035	-17·089	0·95	44·1750	10·0	111	...	-42·901	-21·374	-5	...	...
*	...	56·156	-48·184	1·25	44·1739	9·3	...	...	50·637	-47·619	1·05	44·1751	9·8	...	...	42·898	+5·363	0·80	...	...
...	...	56·139	-47·519	-5	...	...	...	...	50·587	-38·209	-3	44·1752	10·4	...	...	42·490	+9·341	0·70	...	...
...	...	56·093	-26·231	-5	...	...	...	...	50·369	-21·790	1·00	44·1753	9·8	...	...	42·382	-50·970	-1	43·1671	10·2
*	...	56·004	+10·061	1·70	43·1649	9·2	†	...	49·997	+40·419	2·00	43·1661	8·6	...	...	42·368	-40·959	-1	43·1672	10·2
...	...	-55·641	-56·523	1·05	44·1741	9·8	†	...	-49·802	-10·077	0·90	44·1754	10·0	...	...	-42·310	+23·345	-4	...	...
...	...	55·524	+40·308	-4	43·1650	10·4	...	...	49·233	+15·586	-5	E	...	...	...	42·211	+0·249	1·00	43·1670	10·0
...	...	55·331	+23·316	-1	43·1651	10·4	...	...	49·094	+10·397	-5	E	...	...	...	42·097	-30·945	1·00	44·1768	9·8
...	...	55·221	-2·243	-4	...	...	*	...	48·766	+37·726	2·40	43·1662	8·1	...	...	42·034	-15·934	0·80	44·1769	10·4
...	...	54·528	-15·898	-5	...	...	...	...	48·691	+10·789	-5	E	...	...	...	41·930	-4·985	-4	...	...

L measured from 1.
MC " " 421, 650.
LB " " 533, 768

17, 21. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	x.	y.	No.	Mag.
121-180						181-240						241-300					
121						181						241					
...	-41·755	-41·280	- 5	...	...	...	-32·813	-21·524	- 5	...	...	...	-24·274	-40·831	0·70	...	...
*	41·745	+44·996	2·00	43.1673	8·8	...	32·615	-25·929	- 5	...	...	...	24·221	+ 6·519	0·70	43.1699	10·4
a	41·450	- 0·151	0·95	43.1674	10·0	...	32·595	-21·906	- 5	...	...	...	24·113	+48·094	- 5	...	...
*	41·337	+27·813	1·40	43.1675	9·4	...	32·528	-17·578	- 5	...	...	*	23·991	+57·082	1·40	42.1525	9·6
...	41·324	-22·604	- 4	...	...	S*	32·493	-56·177	2·15	44.1783	8·2	...	23·774	-43·839	- 5	...	...
n*	-41·061	+15·104	2·20	...	...	*	-32·487	-12·217	3·00	44.1784	7·9	...	-23·690	-42·362	0·70	44.1803	10·4
n*	40·831	+14·971	1·40	43.1676	8·1	...	32·481	+ 7·910	- 5	M	...	...	23·585	+13·313	- 3	...	...
...	40·724	-57·741	- 4	...	...	...	31·937	+14·460	0·80	43.1686	10·2	...	23·548	+32·607	- 5	M	...
...	40·666	+56·709	- 5	...	...	†	31·874	+39·616	- 5	M	...	...	23·489	- 7·523	0·70	...	...
...	40·340	-32·962	- 5	...	...	...	31·846	+46·939	- 5	M	...	...	23·379	-44·288	- 5	...	...
131						191						251					
†	-39·899	-17·591	- 5	...	...	...	-31·802	-44·579	- 2	44.1786	10·4	...	-23·283	- 8·631	- 5	...	...
†	39·837	-13·031	- 5	...	...	*	31·622	-22·014	1·00	44.1787	9·5	...	23·279	+14·578	- 4	...	...
†	39·815	-27·037	0·80	44.1770	10·0	...	31·563	-41·991	0·85	44.1788	10·0	...	23·264	- 0·602	0·90	43.1701	10·2
...	39·780	+29·997	- 5	M	...	...	31·431	-58·194	1·00	44.1789	9·8	†	23·179	+39·580	- 5	...	...
...	39·768	- 7·633	- 4	...	...	...	31·270	+25·305	0·90	43.1687	10·2	...	23·101	+ 3·295	0·75	43.1702	10·4
†	-39·718	-31·706	- 5	...	...	...	-31·255	-24·589	- 4	...	...	...	-22·878	+52·768	- 5	M	...
...	39·416	+34·023	0·95	43.1677	10·4	...	31·138	-48·189	1·00	44.1790	10·0	*	22·878	- 5·570	1·20	44.1804	9·3
...	39·193	+20·834	- 5	...	...	S*	30·740	+ 4·264	1·45	43.1688	9·2	*	22·770	+38·945	1·15	43.1703	9·6
...	39·037	- 6·007	- 3	...	...	†	30·684	- 5·357	2·00	44.1791	8·5	...	22·656	-33·247	- 5	...	...
...	38·956	-24·043	0·90	44.1772	10·4	*	30·673	+27·800	1·20	43.1689	9·4	...	22·194	-27·889	- 5	...	...
141						201						261					
*	-38·926	+ 9·417	1·10	43.1678	9·6	*	-30·661	- 5·994	1·00	44.1792	9·8	...	-22·011	-50·313	- 5	...	...
...	38·762	-59·806	1·00	44.1771	9·8	...	30·567	- 2·532	- 5	...	...	...	22·002	-21·775	- 5	...	...
...	38·713	+11·868	- 3	...	...	...	30·448	+32·967	0·75	...	...	...	21·933	- 6·729	- 5	...	...
*	38·679	- 7·966	1·10	44.1773	9·5	...	30·433	-33·037	0·65	44.1793	10·4	...	21·800	-49·651	- 4	44.1805	10·4
S*	38·629	+56·869	3·90	42.1505	7·1	...	30·377	+10·169	- 5	M	...	...	21·648	-21·905	- 5	...	...
...	-38·015	-47·500	0·65	44.1774	10·4	...	-30·173	- 8·847	- 4	...	...	...	-21·438	+34·315	1·00	43.1704	10·0
...	37·969	+36·881	- 3	...	...	...	30·157	+ 6·401	1·00	43.1690	10·0	...	21·416	+ 1·252	0·75	43.1705	10·4
...	37·966	-35·742	- 4	...	...	†	30·037	+37·519	1·00	43.1691	9·8	...	21·385	+ 4·177	- 4	...	...
*	37·755	+49·145	1·35	43.1679	9·6	†	29·931	-35·129	- 5	...	...	...	20·990	+11·428	- 5	M	...
...	37·723	+21·396	- 4	...	...	†	29·761	-56·984	- 4	...	...	...	20·941	+ 8·354	- 3	...	...
151						211						271					
...	-37·621	+40·493	- 4	...	...	...	-29·433	-12·382	- 5	...	...	*	-20·747	+36·537	1·90	43.1706	8·9
...	37·537	+12·809	- 4	M	...	†	29·348	-35·179	0·95	44.1794	10·0	...	20·725	+10·016	- 5	...	...
...	37·509	-18·388	0·65	...	...	...	29·337	+18·377	- 4	M	...	...	20·437	+40·032	- 5	M	...
†	37·334	-55·114	1·40	44.1775	9·3	...	29·182	-37·903	- 5	...	...	...	20·367	+35·784	- 4	...	...
*	36·695	+21·351	2·10	43.1680	8·6	...	29·149	- 5·534	- 4	M	...	...	20·360	-15·507	- 5	...	...
...	-36·656	-54·928	- 5	...	...	...	-29·025	-26·722	- 5	...	...	...	-20·147	-46·366	1·00	44.1806	10·1
...	36·436	-18·362	- 4	...	...	...	28·884	+55·341	- 5	...	...	†	20·111	+57·060	- 3	42.1532	10·2
...	36·144	-24·416	0·85	44.1776	10·4	...	28·724	-38·360	- 3	44.1795	10·4	†	20·093	+24·471	- 4	43.1708	10·4
...	36·048	+18·522	0·95	43.1681	10·0	...	28·695	-11·607	0·85	44.1796	10·2	†	20·076	+52·727	1·30	43.1707	9·6
...	36·005	-53·882	- 5	...	...	*	28·526	+ 8·486	0·95	43.1692	10·0	†	20·072	+ 4·894	- 2	...	...
161						221						281					
...	-35·820	-46·583	- 5	...	...	...	-28·357	+32·434	- 3	A	...	*	-20·001	+55·670	1·90	43.1709	9·8
...	35·816	- 7·616	1·00	44.1777	10·0	...	28·198	-40·818	- 4	44.1797	10·4	†	19·898	-36·838	1·00	44.1807	10·0
...	35·653	+11·658	0·95	43.1682	10·2	...	28·134	+55·774	- 5	...	...	...	19·863	+ 7·142	- 4	...	...
...	35·536	-16·888	- 4	...	...	...	28·114	+41·707	- 5	M	...	...	19·824	-40·369	0·70	44.1808	10·4
*	35·461	-33·058	2·10	44.1778	8·2	...	28·076	-20·594	- 4	...	...	...	19·812	+30·798	0·95	43.1710	10·2
...	-35·161	+ 1·705	- 4	...	...	*	-27·981	-12·290	1·00	44.1798	9·8	...	-19·794	+21·622	- 2	...	...
...	35·031	-45·561	- 1	44.1780	10·4	...	27·805	-28·505	0·85	44.1799	10·1	...	19·545	-14·416	- 2	...	...
...	34·973	-55·641	1·00	44.1779	9·8	...	27·689	+27·422	0·90	43.1693	10·2	*	19·387	+35·902	3·60	43.1711	7·2
a	34·828	- 0·113	0·80	43.1683	10·4	...	27·074	-46·173	- 5	...	...	...	19·140	+46·080	- 1	...	...
...	34·758	+17·360	- 4	M	...	...	26·537	-24·499	0·70	44.1800	10·4	n†	19·063	+14·655	- 4	43.1712	10·0
171						231						291					
...	-34·515	+44·424	1·00	43.1684	10·0	*	-25·821	+36·404	1·00	43.1694	9·8	S*	-19·021	-23·896	4·30	44.1809	7·4
...	34·493	+15·765	- 4	M	...	...	25·476	-16·286	- 5	...	...	n*	19·003	+14·531	1·00	43.1712	10·0
...	34·095	+43·279	- 4	...	...	...	25·476	-53·570	1·00	44.1801	10·0	...	18·380	-31·295	- 4	...	...
...	34·067	- 3·636	- 5	...	...	...	25·418	+ 2·747	0·90	43.1695	10·4	...	18·216	+31·679	0·80	...	...
...	33·921	-16·901	- 5	...	...	...	25·215	+43·624	- 1	43.1696	10·4	...	18·052	+13·217	- 5	...	...
...	-33·645	-54·419	- 2	44.1781	10·4	...	-25·178	+11·070	- 2	43.1697	10·4	*	-17·965	-38·934	2·60	44.1810	7·8
...	33·341	+12·183	0·75	43.1685	10·4	...	24·761	-32·537	- 5	...	...	...	17·862	+36·644	- 4	...	...
...	33·212	-22·654	- 5	...	...	...	24·609	- 3·462	0·90	44.1802	10·2	...	17·807	+18·070	- 5	M	...
...	33·158	-24·350	- 5	...	...	...	24·400	+34·391	- 4	43.1698	10·4	...	17·510	+55·401	- 5	...	...
*	32·819	-14·799	1·00	44.1782	9·8	...	24·301	+45·246	- 2	43.1700	10·4	...	17·438	-24·883	- 4	...	...

126, 127. C.P.D., suspected double.

290, 292. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-360						361-420						421-480					
301	-17.387	-24.325	0.70	44.1811	10.4	361	-9.082	+33.187	5	M	...	421	-0.047	-17.222	0.85	43.1729	10.4
*	17.302	+24.820	1.10	43.1713	9.9	...	8.991	-2.361	5	...	...	S*	+0.239	+23.035	1.55	43.1730	9.4
...	17.288	-6.421	0.75	...	...	*	8.961	-7.131	1.30	44.1820	9.7	...	0.348	-37.436	-5	...	...
...	17.205	-51.566	-5	...	...	*	8.839	-22.580	2.00	44.1821	9.2	...	0.371	+10.793	-5	M m	...
...	16.818	-39.512	-5	...	...	...	8.813	-49.636	-5	...	...	...	0.373	-26.513	-4	...	...
...	-16.804	-53.442	1.00	44.1812	10.0	...	8.721	+18.618	-5	M	...	...	0.432	+38.057	3	...	...
...	16.423	+12.422	-5	M	...	...	8.462	-34.260	-5	...	...	...	0.534	+24.398	-4	M	...
...	16.362	-14.337	0.65	...	...	...	8.156	+16.671	-4	...	...	...	1.019	-20.435	-2	44.1830	10.4
...	16.222	-45.251	1.00	44.1813	10.2	*	7.958	+32.167	1.00	43.1722	10.0	*	1.567	+21.975	1.00	43.1731	10.1
...	16.062	+55.918	-1	43.1714	10.4	...	7.768	+21.839	-4	...	...	...	1.635	-56.291	0.90	44.1831	10.4
31I	-15.975	-11.573	0.70	...	...	371	-7.694	+35.730	-5	M	...	431	+1.978	-11.310	-3	...	...
...	15.958	-43.282	-4	...	...	...	7.500	+4.249	-3	...	...	...	2.116	-57.044	-5	...	...
...	15.374	+40.703	-5	M	...	*	7.154	+40.878	1.05	43.1723	10.0	...	2.296	-2.198	-3	...	...
...	15.199	+17.103	-5	...	...	...	7.145	+28.585	-1	...	...	...	2.581	-40.677	-3	...	...
...	15.127	-29.151	0.95	44.1814	10.4	...	7.029	+18.773	-3	...	...	...	2.738	+49.088	1.00	43.1732	10.1
...	-14.966	-21.652	-5	...	...	+	6.872	-30.102	1.80	44.1822	9.1	...	+2.824	-17.596	-5	M m	...
...	14.954	+25.257	0.85	43.1715	10.4	...	6.866	+33.959	-5	...	...	...	2.860	-32.658	-5	...	...
†	14.730	-58.490	-3	...	...	...	6.736	+33.469	0.90	...	...	*	2.904	+42.979	1.00	43.1733	10.1
...	14.603	+31.925	0.80	...	...	*	6.680	+28.647	0.95	43.1724	10.2	...	3.018	+31.864	-3	...	...
...	14.466	-29.395	-3	...	...	*	6.168	-47.776	2.00	44.1824	8.6	*	3.162	+32.283	0.95	43.1734	10.2
32I	-14.436	-48.708	1.00	44.1815	10.0	381	-6.072	+56.775	-4	...	...	441	+3.361	+36.055	-3	...	...
...	14.362	-59.372	-5	...	...	*	6.041	-26.278	1.00	44.1823	10.0	...	3.471	-25.328	-3	...	...
...	14.226	-43.749	0.70	...	...	...	5.907	-29.266	-5	...	...	...	3.476	-37.617	-5	M m	...
...	14.191	+58.205	-3	...	...	...	5.897	-10.133	-4	...	...	...	3.783	+58.679	-2	...	...
*	14.123	-51.558	1.00	44.1816	10.0	*	5.370	+6.944	1.60	43.1725	9.8	...	3.832	-38.099	-3	...	...
*	-14.071	+49.154	1.10	43.1716	9.8	...	-5.278	-1.929	-5	M m	...	...	+3.833	-2.660	-4	M	...
...	13.938	+10.890	-5	...	...	†	4.917	-24.728	0.65	...	...	...	4.730	-6.830	-2	...	...
...	13.814	-44.103	-5	...	...	...	4.799	+54.858	-1	43.1726	10.4	*	4.756	-30.396	1.00	44.1833	9.9
...	13.737	-36.225	-5	...	...	...	4.782	+2.960	-5	M m	...	...	4.787	-28.070	-4	M	...
...	13.706	+41.437	-5	M	...	...	4.757	+38.845	-5	M m	...	...	5.194	-35.416	-4	M	...
331	-13.577	+35.988	0.70	...	...	391	-4.688	+41.638	-4	...	...	451	+5.288	-10.580	-2	...	...
...	13.550	-8.492	0.80	44.1817	10.4	...	4.678	+45.134	1.00	...	...	...	5.292	+58.112	-5	...	...
...	13.302	+6.036	0.95	...	...	*	4.674	-9.729	1.00	44.1826	10.1	...	5.501	+26.121	-5	m	...
...	13.103	+7.857	-4	...	...	...	4.429	-14.602	1.00	44.1827	10.2	...	5.599	+27.869	-2	...	...
...	12.937	+29.389	-3	...	...	...	4.256	-4.588	0.90	...	...	...	5.730	-5.985	-2	...	...
...	-12.851	+37.820	0.95	...	...	...	-3.887	-57.148	-4	...	...	...	+5.765	-3.269	-4	...	...
†	12.765	+34.560	1.00	43.1717	9.9	...	3.478	+18.136	-5	m	...	...	5.915	-49.620	-4	...	...
...	12.617	+16.866	-2	...	...	...	3.459	-2.185	0.65	...	...	...	6.299	+53.308	0.80	43.1735	10.4
...	12.328	+7.270	-5	M	...	*	3.375	-31.796	1.00	44.1828	10.0	...	6.351	+19.466	-4	m	...
†	12.202	+24.736	-4	...	...	...	2.942	+27.328	0.75	...	...	*	6.799	-49.914	1.00	44.1834	10.0
34I	-12.005	+18.978	0.90	43.1718	10.4	401	-2.873	-6.323	-4	...	...	461	+6.806	+23.304	-2	...	...
...	11.929	+44.303	-5	...	...	...	2.854	-57.744	-5	m	...	...	6.864	+20.665	-4	m	...
...	11.927	-1.422	-5	...	...	...	2.800	+14.382	0.75	...	...	...	6.956	+2.353	0.65	...	...
...	11.839	-2.512	0.70	...	...	...	2.494	+39.452	-4	...	...	...	6.962	-20.683	-5	m	...
*	11.794	-25.990	1.15	44.1818	9.7	S*	2.282	+58.818	2.40	42.1557	8.5	*	7.055	+16.961	0.95	43.1736	10.2
...	-11.562	-8.327	-5	...	...	*	-2.138	+27.290	1.05	43.1727	9.9	...	+7.167	-31.411	0.85	44.1835	10.4
...	11.021	-41.028	1.00	44.1819	10.4	...	1.946	+40.872	0.70	...	...	...	7.482	-4.326	-4	m	...
...	10.621	-25.991	-5	...	...	...	1.726	-5.516	-2	...	...	...	7.502	+23.785	-5	m	...
*	10.530	-1.714	2.00	43.1719	9.0	S†	1.517	-55.168	4.60	44.1829	6.6	...	7.778	-0.252	-2	a	...
...	10.514	+29.985	0.90	43.1720	10.4	...	1.282	+12.673	-5	M m	...	...	7.861	+56.159	0.95	43.1737	10.4
35I	-10.337	+2.911	-4	...	...	411	-1.142	-43.336	-5	...	...	471	+8.005	-52.600	-5	...	...
...	10.018	+34.547	-5	M	...	...	1.045	+46.481	1.00	43.1728	10.2	...	8.321	-1.459	-5	m	...
*	9.869	+51.372	1.70	43.1721	9.6	...	0.891	-48.372	-5	M m	...	...	8.388	-1.412	-4	...	...
...	9.862	+7.754	-2	...	...	...	0.708	+46.381	-5	...	...	...	8.667	+54.327	-5	...	...
...	9.532	+18.006	-5	M	...	...	0.581	+45.343	0.90	...	...	...	8.695	-49.503	-3	...	...
...	-9.398	+46.989	-4	...	...	...	-0.566	-37.676	-4	...	...	...	+8.846	-54.627	0.75	43.1738	10.4
...	9.360	+40.213	-4	...	...	...	0.558	-41.189	-5	...	...	...	9.032	+59.361	1.00	42.1573	10.1
...	9.253	+44.462	0.65	...	...	...	0.368	-56.277	-4	...	...	...	9.047	-0.021	-5	m	...
...	9.199	-45.268	-4	...	...	...	0.243	-50.802	-1	...	...	...	9.074	-49.694	-5	...	...
...	9.155	+20.798	-5	...	...	...	0.120	-50.246	-4	...	...	S*	9.133	+25.878	2.00	43.1739	8.9

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.		Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.
481-540																										
481	+	9.140	+51.256	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	9.458	-34.893	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	9.590	-43.233	0.95	44.1837	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	9.875	-16.395	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	9.942	+53.998	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	9.964	+35.428	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	10.081	-56.457	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	10.225	-19.090	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	10.274	-29.634	0.90	44.1838	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	10.400	-27.737	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
491	+	10.458	+15.604	1.00	43.1740	10.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	10.583	+10.392	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	10.657	-14.219	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	11.399	+12.151	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	11.644	-45.257	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	11.653	+7.139	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	11.735	-30.288	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	11.875	+29.115	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	11.888	+48.134	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.025	-14.319	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
501	+	12.096	+31.087	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.252	+12.685	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	12.316	+58.630	1.20	42.1583	9.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.336	-26.401	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.491	-0.331	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	12.495	+59.411	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.519	+43.300	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.660	+40.985	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.901	+2.576	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	12.940	+57.971	-1	42.1585	10.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
511	+	13.084	+55.674	1.20	43.1741	10.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.119	-59.813	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.120	+41.175	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.402	+23.008	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.534	+11.212	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	13.578	+35.166	0.75	43.1743	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.587	-41.970	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.682	+10.551	0.85	43.1744	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.703	+52.661	1.50	43.1742	9.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	13.821	+46.643	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
521	+	13.980	+22.337	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	14.023	-4.690	1.00	44.1839	10.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.025	-52.261	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.109	+25.984	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.112	+28.484	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	+	14.292	+36.964	1.15	43.1745	9.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.513	-9.196	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.515	+3.141	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.563	-37.127	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.778	+9.214	0.75	43.1746	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
531	+	14.792	-14.774	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	14.813	-30.836	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	15.229	+34.646	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	15.295	-56.860	0.65	44.1841	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	15.444	-58.446	-1	44.1844	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	+	15.464	-35.779	0.95	44.1840	10.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	15.537	+18.011	0.80	43.1747	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	15.619	+47.471	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	15.827	+24.220	1.70	43.1748	9.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
†	15.834	-15.060	0.80	44.1842	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
541-600																										
541	+	15.891	-59.538	-1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	16.003	-46.474	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	16.005	+52.928	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	16.017	-33.682	-5																							

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		-z.	No.		Mag.	x.		y.	-z.	No.	Mag.
681-720						721-780						781-840					
661	+31·656	-10·479	-5	...	...	721	+39·341	-25·847	0·65	...	...	781	+46·046	-10·543	-3	...	...
...	31·917	+5·684	-5	...	...	...	39·345	-3·637	0·80	43·1778	10·4	...	46·322	-0·575	0·90	43·1786	10·4
...	32·080	+48·949	-5	...	...	...	39·396	-6·882	-3	...	...	...	46·466	-48·421	-1	...	...
...	32·099	-8·308	-4	...	...	...	39·517	+16·333	-4	...	...	...	46·563	+9·200	-5	m	...
...	32·317	-58·666	-3	...	...	*	39·629	-29·253	1·10	44·1874	10·0	...	46·585	-53·599	-5	...	...
†	+32·402	-54·895	-4	...	...	...	+39·663	-50·511	-4	...	...	*	+46·786	-19·024	0·95	44·1884	10·2
...	32·505	-42·215	-4	...	...	...	39·715	-5·879	0·65	...	...	...	46·851	-10·812	0·75	...	...
...	32·693	+34·071	-3	...	...	...	40·013	-4·131	-4	...	...	...	47·150	+34·283	0·65	...	...
...	32·800	-34·666	0·80	44·1868	10·4	...	40·093	-16·330	-5	...	...	*	47·458	+1·144	1·00	43·1789	9·9
...	32·806	-49·109	0·95	44·1869	10·2	...	40·150	-19·350	-4	...	...	...	47·860	+28·686	0·90	43·1788	10·4
671	+32·819	+55·253	-1	43·1760	10·4	731	+40·250	-49·253	1·05	44·1875	9·9	791	+47·907	-54·771	1·40	44·1886	9·7
...	32·952	-25·419	-5	...	...	...	40·255	-20·957	0·65	...	...	...	47·925	+35·545	-4	...	...
...	33·114	-26·912	-4	...	...	...	40·436	+50·319	-3	43·1779	10·4	...	48·028	-34·805	-5	...	...
...	33·173	-28·471	-4	...	...	...	40·488	-6·981	-4	m	...	...	48·039	+23·548	-5	m	...
...	33·246	+56·011	-5	...	...	...	40·704	-31·087	0·90	44·1876	10·4	...	48·059	+9·866	-5	m	...
...	+33·387	+21·166	-5	m	...	...	+40·717	+12·603	-4	...	...	*	+48·113	+48·151	1·20	43·1787	9·9
*	33·636	+33·173	1·10	43·1761	10·2	...	40·906	-12·602	0·65	...	...	...	48·117	-15·440	-5	...	...
...	33·729	-32·829	-5	...	...	*	41·134	-44·426	1·05	44·1877	9·9	...	48·256	+8·535	-3	...	...
†	33·754	-20·006	-5	...	...	...	41·162	-14·743	-2	...	...	...	48·577	-30·360	1·00	44·1887	10·0
...	33·795	+38·267	0·85	43·1762	10·4	*	41·315	-42·725	1·70	44·1878	9·6	...	48·651	-55·005	-5	...	...
681	+34·172	-18·609	-4	...	...	741	+41·453	+27·706	0·90	43·1780	10·2	801	+48·663	-35·157	-4	...	...
*	34·391	+0·789	1·20	43·1764	9·9	...	41·652	+39·346	-4	...	...	*	48·842	-42·260	1·40	44·1888	9·6
...	34·422	+31·334	-4	...	...	...	41·883	-19·516	-3	...	...	†	48·920	-4·981	-4	...	...
*	34·492	-50·674	2·10	44·1870	9·0	...	41·938	+35·207	-3	...	...	...	48·990	-24·056	-4	...	...
...	34·524	+20·112	-4	...	...	...	41·987	-16·538	-3	...	...	...	49·057	-3·203	0·75	43·1790	10·4
...	+34·692	+21·418	0·75	...	...	...	+42·046	+37·272	-3	...	...	...	+49·068	-3·253	-5	m	...
†	34·768	+21·305	0·65	...	...	...	42·108	-16·404	-2	...	...	...	49·265	-13·198	0·65	...	...
†	34·833	-39·942	-5	...	...	a*	42·191	-0·500	1·30	43·1782	9·7	†	49·291	+34·952	-3	...	...
†	34·877	+2·558	-5	m	...	...	42·238	+14·134	-3	...	...	...	49·305	-21·491	-5	...	...
†	35·035	-21·632	-5	...	...	...	42·244	+43·825	-5	...	...	...	49·505	+48·740	-3	...	...
691	+35·616	+19·582	0·80	43·1766	10·4	751	+42·261	+13·509	-3	...	...	811	+49·547	+40·063	0·65	...	...
...	35·675	+41·796	-1	43·1765	10·4	*	42·299	-51·481	1·30	44·1879	9·8	...	49·808	-20·894	-3	...	...
...	35·744	+57·198	-4	...	...	...	42·581	+25·565	0·75	43·1783	10·4	†	49·867	+10·098	1·00	43·1791	9·9
...	35·913	+41·191	0·75	43·1767	10·4	*	42·606	+54·123	3·40	43·1781	7·6	...	49·995	+13·414	-5	...	...
...	36·023	+21·929	-4	...	...	...	42·662	-36·910	-5	...	...	...	50·074	+43·398	-1	...	...
...	+36·045	-11·828	-5	...	...	...	+42·749	-10·433	-5	...	...	...	+50·192	-8·551	-5	...	...
*	36·097	+44·356	1·80	43·1768	9·6	...	42·751	-42·615	-3	...	...	...	50·346	-48·646	-1	...	...
†	36·299	+14·854	0·70	43·1770	10·4	S*	43·136	+50·904	3·30	43·1784	7·6	*	50·374	-40·324	1·00	44·1889	10·0
...	36·379	+40·079	-3	...	...	...	43·380	-8·815	-3	...	...	...	50·416	-43·385	0·65	44·1890	10·4
...	36·474	-48·831	-5	...	...	...	43·384	+19·792	-5	m	...	...	50·419	+44·410	-4	...	...
701	+36·562	+48·088	-5	...	...	761	+43·580	-42·510	-3	...	...	821	+50·558	-20·193	-5	e	...
...	36·580	+25·459	0·65	43·1771	10·4	...	44·248	-16·138	-4	...	...	...	50·718	+21·769	-4	e	...
*	36·834	+52·751	1·80	43·1769	9·6	...	44·344	-20·658	-5	...	...	...	50·827	+4·809	-5	e	...
...	37·336	+12·852	-4	...	...	...	44·442	-1·283	-4	...	...	...	50·896	-2·257	-5	...	...
...	37·406	-3·621	0·70	44·1871	10·4	...	44·509	+23·363	-4	...	...	...	51·205	-23·213	-5	...	...
...	+37·458	-45·478	-3	...	...	...	+44·542	+53·513	-5	m	...	...	+51·239	-21·209	-1	...	...
...	37·731	-57·906	-5	...	...	...	44·803	-41·743	-5	...	...	...	51·421	+20·023	0·65	...	...
...	37·739	+30·340	-4	...	...	†	44·943	-4·543	-5	...	...	...	51·480	+5·787	0·70	...	...
*	37·853	+40·373	1·95	43·1772	9·2	...	45·052	+35·734	0·90	43·1785	10·2	...	51·590	-20·442	0·70	...	...
*	38·114	+40·549	1·20	43·1773	9·8	...	45·102	+1·010	0·65	...	...	S*	51·987	-18·127	2·60	44·1891	8·4
711	+38·313	+46·840	-5	m	...	771	+45·148	-49·252	0·65	44·1881	10·4	831	+52·006	-25·126	0·85	43·1792	10·4
...	38·314	+6·698	0·90	43·1776	10·2	...	45·182	-35·620	-5	...	...	...	52·203	+28·731	1·00	43·1794	10·2
...	38·403	-40·705	-4	...	...	...	45·333	-15·886	-5	...	...	...	52·230	-27·689	-3	...	...
*	38·547	+22·148	1·15	43·1775	9·8	...	45·378	-52·814	-2	...	...	†	52·261	-4·953	-1	...	...
...	38·553	-23·862	-3	...	...	...	45·475	-26·959	-2	...	...	...	52·361	-1·658	2·20	43·1797	8·3
...	+38·626	-19·049	0·70	44·1872	10·4	...	+45·642	+2·689	-1	...	...	*	+52·408	-0·856	1·10	43·1796	9·7
...	38·910	-19·444	-5	...	...	...	45·696	-59·578	1·10	44·1882	10·0	*	52·514	+38·382	1·60	43·1793	9·6
*	39·004	+55·384	1·60	43·1774	9·7	...	45·829	+8·933	0·70	...	...	*	52·529	-10·551	1·10	44·1892	9·8
...	39·074	-22·090	0·65	44·1873	10·4	*	45·918	-50·644	1·15	44·1883	9·8	*	52·700	-14·433	2·10	43·1798	8·6
...	39·086	+50·209	-1	43·1777	10·4	...	46·025	+37·936	-4	a	...	...	52·785	-53·825	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
841-870						871-900						901-903					
841	+52.788	-17.359	1.15	44.1893	9.7	871	+55.578	-15.745	0.65	...	...	901	+59.637	-35.530	-3	...	...
...	52.790	-53.334	-4	...	...	...	55.801	-43.265	-5	...	...	...	59.794	-53.552	-5	...	...
...	52.861	-38.295	-4	...	...	*	55.814	+18.450	0.90	43.1804	10.2	†	59.830	-17.282	-3	...	...
...	52.915	-52.537	-5	...	...	...	55.850	-7.148	-5	...	...	...	...	...	...	...	...
*	53.020	-28.345	1.00	44.1894	9.9	...	55.862	+14.228	0.90	43.1805	10.2	...	...	...	...	...	...
...	+53.099	-31.328	-4	...	...	...	+56.227	+7.281	-4	...	...	...	...	...	...	...	...
...	53.255	-3.140	-3	...	...	...	56.512	-54.969	-3	...	...	...	...	...	...	...	...
*	53.286	+51.881	1.15	43.1795	10.2	†	56.606	+49.985	1.50	43.1806	9.7	...	...	...	...	...	...
*	53.380	-37.863	1.00	44.1895	10.1	...	56.774	-53.396	-4	...	...	...	...	...	...	...	...
†	53.412	+54.837	-3	...	...	...	56.797	-41.272	-1	...	...	...	...	...	...	...	...
851	+53.509	+32.192	0.80	43.1799	10.4	881	+57.029	+39.375	1.10	43.1807	9.9	...	...	...	...	...	...
...	53.678	-46.489	-2	...	...	...	57.109	+9.604	-5	...	...	...	...	...	...	...	...
...	53.731	-18.034	-3	...	...	*	57.269	+15.132	1.10	43.1808	9.9	...	...	...	...	...	...
...	53.772	-24.590	-4	...	...	...	57.585	+12.931	0.80	43.1810	10.2	...	...	...	...	...	...
...	53.876	+24.265	-3	...	...	...	58.000	-57.597	-5	...	...	...	...	...	...	...	...
...	+53.967	+7.194	0.90	43.1801	10.4	*	+58.045	+40.173	2.10	43.1809	9.1	...	...	...	...	...	...
...	54.017	+32.096	-5	e	...	...	58.078	+29.273	-5	...	...	...	...	...	...	...	...
...	54.426	+29.573	0.65	43.1800	10.4	*	58.081	-3.749	1.00	43.1814	10.2	...	...	...	...	...	...
...	54.482	+12.028	-4	...	...	...	58.238	-5.410	-3	...	...	...	...	...	...	...	...
†	54.780	+16.497	0.85	43.1802	10.2	...	58.292	+29.250	0.90	43.1812	10.1	...	...	...	...	...	...
861	+54.782	-23.317	-5	...	...	891	+58.420	+38.470	0.80	43.1811	10.2	...	...	...	...	...	...
...	54.836	+52.824	-4	...	...	*	58.489	+23.315	1.10	43.1813	9.8	...	...	...	...	...	...
†	54.842	-3.153	0.80	43.1803	10.4	...	58.496	+8.075	0.85	43.1815	10.4	...	...	...	...	...	...
†	55.037	-39.895	-5	...	...	*	58.506	-9.719	1.15	44.1900	9.9	...	...	...	...	...	...
†	55.065	-34.283	1.05	44.1896	10.1	...	58.687	-10.610	-5	...	...	...	...	...	...	...	...
...	+55.249	-30.581	-2	...	...	...	+58.690	+51.671	-2	...	...	...	...	...	...	...	...
†	55.342	-24.886	-4	...	...	*	59.025	+1.321	1.20	43.1817	9.7	...	...	...	...	...	...
...	55.419	-26.091	0.75	44.1897	10.4	...	59.472	-59.298	-5	...	...	...	...	...	...	...	...
...	55.431	-15.522	-4	...	...	...	59.530	-30.867	0.70	44.1901	10.4	...	...	...	...	...	...
...	55.528	-32.386	1.00	44.1898	10.4	...	59.617	+2.704	-3	...	...	...	...	...	...	...	...

1-20						21-40						41-60					
I	-59.880	+48.572	-2	...	...	21	-57.603	-55.173	-5	c	...	41	-56.104	-48.746	-4	...	...
†	59.826	+51.008	-5	M	...	...	57.485	-8.676	-5	...	...	...	56.011	-23.298	-5	...	...
†	59.703	+34.794	-4	...	...	...	57.485	-21.011	-3	...	...	...	55.726	-20.505	0.65	...	...
...	59.583	+39.908	0.95	...	...	...	57.405	+33.284	-5	M	...	*	55.651	+14.386	2.40	43.1798	8.6
...	59.345	-15.607	-5	...	...	...	57.331	+21.117	-2	...	...	...	55.522	-5.006	-1	...	...
...	-59.168	+43.245	0.80	...	...	...	-57.238	+4.703	-5	E	...	*	-55.507	-1.703	3.00	43.1797	8.3
†	58.862	-5.119	-2	...	...	...	57.123	-19.934	-2	...	...	*	55.494	-0.902	1.60	43.1796	9.7
...	58.846	+44.274	-3	...	...	...	57.030	-11.704	-5	...	...	*	55.398	+32.169	1.40	43.1799	10.4
...	58.771	-3.359	0.85	43.1790	10.4	...	56.985	-2.363	-5	...	...	S*	55.374	-18.172	3.10	44.1891	8.4
*	58.415	-30.504	1.40	44.1887	10.0	...	56.760	-20.294	-5	E	...	*	55.080	-10.577	1.70	44.1892	9.8
11	-58.357	-54.937	2.20	44.1886	9.7	31	-56.687	+25.057	1.20	43.1792	10.4	51	-54.879	+32.077	-4	E	...
†	58.356	+9.969	1.60	43.1791	9.9	...	56.626	+5.704	0.90	...	...	...	54.787	+24.261	-3	...	...
*	58.345	+13.277	-4	...	...	*	56.595	+28.672	1.50	43.1794	10.2	...	54.706	+52.821	-3	...	...
...	58.270	-13.334	-2	...	...	*	56.579	+38.326	2.10	43.1793	9.6	*	54.609	-17.382	1.80	44.1893	9.7
...	58.205	-24.205	-4	...	...	...	56.529	+27.615	-3	...	...	...	54.579	-3.157	-3	...	...
...	-58.196	-35.303	-4	...	...	*	-56.311	-40.422	1.50	44.1889	10.0	...	-54.392	+29.563	0.95	43.1800	10.4
...	57.967	-21.630	-5	...	...	*	56.227	+51.831	1.40	43.1795	10.2	...	54.237	+19.664	-5	M	...
...	57.855	+21.653	-4	E	...	...	56.185	+54.796	-2	...	...	...	54.201	+43.121	-5	M	...
*	57.794	-42.403	2.20	44.1888	9.6	...	56.172	-43.483	-1	44.1890	10.4	*	54.179	+7.190	1.20	43.1801	10.4
...	57.791	-10.010	-4	...	...	...	56.141	-26.820	-5	...	...	...	54.084	+35.623	-5	M	...

MC measured from 1, 239, 548, 804, 957, 1130, 1309, 1512, 1678, 1832.
 LB ,, ,, 115, 375, 710, 875, 1041, 1220, 1409, 1599, 1760.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
61	-54.036	-28.358	1.50	44.1894	9.9	121	-49.548	-53.296	2	...	...	181	-45.252	-24.497	1	...	...
*	53.948	-16.002	-5	...	...	...	49.529	-5.282	0.65	...	...	...	45.060	+53.435	0.70	...	...
...	53.904	-38.317	-5	...	...	...	49.363	-11.138	-4	...	...	...	45.017	-32.101	-5	...	...
...	53.811	+12.038	-4	...	...	*	49.130	-9.586	1.40	44.1900	9.9	...	44.915	+37.555	1.90	43.1822	9.6
*	53.650	+16.518	1.40	43.1802	10.2	...	49.033	+8.862	-5	M	...	...	44.844	+19.332	-2	...	...
...	-53.639	-18.029	-2	...	...	...	-48.987	-44.130	-5	...	...	...	-44.824	-50.409	-5	...	...
...	53.521	-53.361	-5	...	...	*	48.942	+1.480	1.60	43.1817	9.7	*	44.648	+54.413	2.00	43.1823	9.6
N	53.520	-53.858	-4	...	...	...	48.923	-10.464	-3	...	...	...	44.534	-39.512	-4	...	...
...	53.464	-1.690	-4	...	...	...	48.919	-14.323	-5	...	...	...	44.524	-19.852	-5	...	...
...	53.428	-52.571	-4	...	...	...	48.713	-2.888	-3	...	...	...	44.497	+3.364	-5	M	...
71	-53.410	-24.590	-4	...	...	131	-48.709	+23.546	-3	...	...	191	-44.492	+16.314	0.90	...	...
...	53.395	+7.960	-5	M	...	...	48.628	+38.197	-5	...	...	...	44.477	-19.570	0.75	...	...
*	53.379	-37.864	1.30	44.1895	10.1	...	48.467	+37.984	-3	...	...	...	44.398	+59.274	0.65	...	...
...	53.246	+11.535	-4	...	...	...	48.406	+2.871	-1	...	...	*	44.378	-46.544	1.90	44.1904	9.4
...	53.089	-42.615	-4	...	...	...	48.308	-32.005	-5	...	...	...	44.138	-54.717	0.65	...	...
...	-53.043	-0.889	-5	M	...	...	-48.253	+47.596	0.75	43.1819	10.4	...	-44.036	+34.070	-1	...	...
*	52.992	-3.119	1.20	43.1803	10.4	S*	48.190	+56.054	4.60	42.1667	7.4	...	44.003	-25.841	-5	...	...
*	52.847	+50.036	2.10	43.1806	9.7	...	48.153	-13.386	-4	...	...	...	43.927	+58.582	0.65	...	...
...	52.833	-46.482	-4	...	...	...	48.130	+8.542	-5	M	...	...	43.769	+32.543	0.65	...	...
*	52.680	+18.506	1.50	43.1804	10.2	...	48.089	+7.038	-4	M	...	...	43.764	+30.822	-5	M	...
81	-52.497	+14.285	1.30	43.1805	10.2	141	-48.000	+11.720	1.05	43.1818	10.4	201	-43.535	-40.249	-1	...	...
...	52.422	-23.292	-5	...	...	...	47.860	+24.202	-4	M	...	...	43.516	-43.999	-5	...	...
*	52.098	+39.454	1.70	43.1807	9.9	...	47.853	+50.827	-1	...	...	...	43.479	+50.850	-5	M	...
...	52.025	-15.482	-4	...	...	...	47.735	-4.362	-5	M	...	...	43.359	-40.837	-5	...	...
...	51.911	+7.341	-3	...	...	...	47.652	+50.742	-5	M	...	...	43.323	+7.365	0.70	...	...
...	-51.867	-15.705	0.65	...	...	...	-47.575	-17.101	0.75	...	...	...	-43.313	-47.615	-5	...	...
...	51.862	-7.092	-4	...	...	...	47.552	+10.026	-4	M	...	S*	43.274	+9.484	2.95	43.1824	7.6
*	51.835	-34.240	1.50	44.1896	10.1	...	47.465	-30.681	0.90	44.1901	10.4	...	43.248	-6.034	-5	M	...
...	51.809	-24.837	-4	...	...	...	47.435	-41.837	-4	...	...	*	43.200	+30.238	1.50	43.1825	9.6
...	51.745	-30.528	-2	...	...	...	47.405	+41.972	-3	...	...	...	43.086	+4.387	-3	B	...
91	-51.715	-26.038	-1	44.1897	10.4	151	-47.392	-11.710	-1	...	...	211	-43.020	-3.655	0.65	...	...
...	51.679	-39.858	-4	...	...	...	47.339	+26.965	-3	...	...	...	42.978	-27.613	-5	...	...
...	51.653	+45.927	-5	M	...	...	47.235	+15.478	-4	M	...	...	42.977	+50.210	-4	M	...
...	51.502	-47.371	-5	M	...	...	47.221	-35.344	0.65	...	...	...	42.933	+27.770	-3	...	...
*	51.417	-32.323	1.20	44.1898	10.4	...	47.220	-18.333	-1	...	...	*	42.562	-44.753	1.10	44.1905	10.4
...	-51.243	+42.048	-5	M	...	...	-47.191	-29.683	-5	...	...	...	-42.553	-52.279	0.80	...	...
...	51.127	-0.386	-5	M	...	*	46.987	+8.101	1.40	43.1820	9.6	...	42.414	-46.403	-1	...	...
*	51.123	+15.227	1.60	43.1808	9.9	*	46.907	-33.181	1.00	44.1902	10.4	*	42.290	-23.623	1.00	...	...
...	51.102	+9.684	-4	...	...	*	46.874	+50.264	3.10	43.1821	8.8	...	42.113	-17.506	0.65	...	...
*	51.097	+40.276	2.30	43.1809	9.1	...	46.868	+2.980	-2	...	...	...	42.011	+43.728	-4	M	...
101	-51.035	-40.895	-4	...	...	161	-46.670	-24.336	0.80	...	...	221	-42.009	-2.007	-5	M	...
...	50.852	-1.061	-4	...	...	...	46.658	+43.970	0.70	...	...	...	41.895	+40.909	-5	M	...
...	50.821	+51.787	-2	...	...	...	46.654	-59.117	-4	...	...	...	41.696	-7.148	-5	M	...
...	50.814	+18.081	-4	...	...	...	46.634	+37.323	0.65	...	...	*	41.693	-7.233	1.30	44.1906	9.6
...	50.802	-43.205	-4	...	...	...	46.623	+5.106	-5	M	...	...	41.427	-55.302	-3	...	...
...	-50.741	+29.378	-4	...	...	...	-46.516	-17.319	0.75	...	...	*	-41.097	-37.521	1.40	43.1826	9.9
*	50.732	+13.043	1.05	43.1810	10.2	...	46.507	-53.358	-1	...	...	*	40.920	-26.289	1.90	44.1907	9.1
*	50.680	+38.596	1.30	43.1811	10.2	...	46.475	-54.647	-5	...	...	*	40.903	-27.380	1.30	43.1827	10.0
...	50.641	+4.491	-4	M	...	...	46.364	-42.849	-5	...	...	...	40.886	-15.589	0.65	...	...
*	50.535	+29.376	1.30	43.1812	10.1	...	46.293	-18.080	-1	...	...	...	40.530	-10.573	-3	...	...
111	-50.287	-42.749	-4	...	...	171	-46.220	+27.850	0.65	...	...	231	-40.444	-34.215	-3	...	...
*	50.156	+23.446	1.60	43.1813	9.8	...	46.138	+20.887	-2	...	...	...	40.336	-25.732	-4	...	...
...	50.077	+40.157	-4	M	...	...	46.128	+8.670	-5	M	...	...	40.298	-37.132	-3	A	...
†	50.021	+38.020	-5	M	...	...	46.034	-58.529	-5	...	...	...	40.231	-18.414	0.75	...	...
†	49.883	-41.170	-1	...	...	...	46.032	-8.676	-3	...	...	...	40.181	-40.433	-1	...	...
...	-49.745	-54.882	-4	...	...	...	-45.518	-20.991	-2	...	...	...	-40.056	-25.808	-5	M	...
*	49.732	+3.618	1.20	43.1814	10.2	...	45.357	+44.208	-5	M	...	...	40.042	-10.574	-3	...	...
*	49.670	+8.207	1.00	43.1815	10.4	...	45.331	+26.673	-5	M	...	...	40.025	-30.025	-5	M	...
...	49.637	+34.319	-5	M	...	...	45.291	+54.431	-1	...	...	...	39.955	-7.457	-3	...	...
...	49.585	+49.561	0.90	43.1816	10.2	*	45.267	-29.194	1.00	44.1903	10.4	...	39.946	-3.275	-4	...	...

68. Obscures 2nd image of 67.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-I.	No.		Mag.	x.		y.	-I.		No.	Mag.		x.	y.	-I.	No.	Mag.
241-300						301-360						361-420					
241	-39°928	-44°219	-4	...	...	301	-35°712	-5°725	0.65	...	...	361	-31°246	-23°523	0.80	...	...
†	39°915	+46°642	-4	M	...	*	35°486	+23°692	1.40	43.1830	9.8	..	31°116	+8°773	-3	...	...
...	39°875	+23°833	-4	M	...	...	35°470	+23°546	-4	...	...	...	30°979	+17°461	-3	...	...
...	39°706	+37°306	-5	M	...	†	35°361	+54°706	0.95	43.1832	10.4	...	30°950	+47°452	-5	M	...
...	39°652	-50°954	-5	...	...	*	35°340	+25°331	0.75	...	...	...	30°887	-15°689	-5	M	...
...	-39°577	-50°107	-4	...	...	...	-35°179	+29°870	0.90	...	...	...	-30°816	-34°840	-5	..	...
...	39°511	+17°501	-3	...	...	...	35°143	-35°415	0.80	...	...	...	30°805	+11°257	-5	M	...
...	39°434	-16°864	-4	...	...	†	35°068	+24°501	0.95	43.1831	10.4	*	30°632	-15°641	1.70	44.1919	9.6
S †	39°432	-30°182	3.50	44.1908	7.6	†	35°012	+36°498	1.80	43.1833	9.2	...	30°617	+39°503	-3	...	...
...	39°429	-33°030	-5	...	...	†	34°807	-13°992	-4	M	...	...	30°572	-33°725	-5	...	...
251	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...
...	-39°420	-23°408	-4	...	...	...	-34°711	-19°951	-5	M	...	*	-30°567	-36°660	1.50	44.1920	9.7
...	39°390	+31°909	-5	M	...	...	34°656	+35°613	-3	...	...	...	30°473	+11°178	-5	M	...
...	39°263	+51°744	-5	M	...	...	34°622	-22°713	0.75	...	...	...	30°420	+10°366	0.85	...	...
*	39°184	-4°989	0.95	44.1909	10.4	...	34°564	+33°074	0.65	...	...	...	30°018	-14°197	-4	...	...
...	39°012	-12°261	0.65	...	...	...	34°535	+7°704	-4	M	...	†	29°964	+31°509	-4	M	...
*	-38°928	+15°092	0.90	...	...	...	-34°445	+35°343	-5	M	...	†	-29°952	+15°909	-3	...	...
...	38°739	+35°453	-5	M	...	...	34°375	+40°732	-2	...	...	...	29°883	+0°259	-4	M	...
...	38°727	+41°203	-4	...	...	...	34°270	+2°432	-5	M	...	*	29°806	+50°408	1.40	43.1839	10.2
...	38°625	-40°502	-3	...	...	...	34°040	+52°427	-4	...	...	...	29°775	-28°738	0.65	...	...
...	38°603	+31°872	-4	M	...	...	33°966	+1°178	-4	M	...	...	29°745	-50°038	-4	...	...
261	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...
...	-38°314	+53°453	-5	M	...	...	-33°806	-26°992	-5	...	...	...	-29°643	+59°537	-4	M	...
...	38°278	+3°071	-4	M	...	...	33°792	-5°062	-4	...	...	...	29°592	-28°041	-5	...	...
...	38°242	+5°278	-2	...	...	...	33°735	-3°949	-5	M	...	...	29°586	+8°836	-3	...	...
...	38°205	-9°781	-1	...	...	...	33°635	+31°870	0.90	...	...	...	29°583	+22°081	-5	M	...
...	38°179	+38°542	-4	...	...	...	33°599	-27°021	-4	...	...	...	29°571	+27°349	-4	M	...
*	-38°176	+6°570	0.95	43.1828	10.4	...	-33°550	+2°918	-4	M	...	...	-29°515	+5°832	-4	M	...
...	38°172	-18°794	-3	...	...	...	33°477	+15°649	-4	M	...	...	29°454	+9°266	-5	M	...
...	38°065	+25°266	-3	...	...	...	33°281	-16°321	-2	...	...	...	29°410	-29°730	-4	...	...
...	38°059	-8°721	-3	...	...	...	33°173	+33°227	-5	M	...	...	29°381	+43°806	-3	B	...
...	37°921	+32°196	-4	...	...	...	33°165	-49°455	-3	...	...	...	29°353	-12°902	-1	...	...
271	...	...	...	...	...	331	...	...	...	...	...	391	...	...	...	...	...
...	-37°901	+3°197	-4	M	...	...	-33°031	-7°362	-2	...	...	†	-29°230	+59°584	0.65	42.1699	10.2
...	37°703	-15°508	-4	M	...	...	33°028	+22°321	-3	...	...	...	29°127	+51°526	-5	M	...
...	37°682	-25°773	-5	...	...	...	32°923	-24°462	1.30	44.1917	9.9	...	29°116	+26°232	-5	M	...
...	37°618	+36°357	-5	M	...	...	32°850	+45°811	0.80	...	...	...	29°096	-6°129	0.70	...	...
...	37°553	-49°483	-5	...	...	...	32°847	+22°382	-4	M	...	...	29°045	+8°070	-4	M	...
...	-37°516	+3°602	-4	M	...	...	-32°751	-37°279	-4	...	...	...	-28°983	+50°434	-4	M	...
...	37°481	+39°422	-4	...	...	...	32°737	+9°396	1.00	43.1834	10.2	...	28°945	-47°565	0.65	...	...
...	37°368	+36°799	0.90	...	...	...	32°714	+8°763	-5	M	...	...	28°895	+36°661	0.70	...	...
...	37°359	-5°941	-3	...	...	...	32°503	+6°820	-4	M	...	*	28°825	-49°753	1.30	44.1922	10.0
...	37°270	+55°061	-4	...	...	...	32°393	-7°093	-5	M	...	...	28°636	-33°393	0.85	...	...
281	...	...	...	...	...	341	...	...	...	...	...	401	...	...	...	...	...
...	-37°095	-33°374	-3	...	...	...	-32°386	+57°951	-3	...	...	...	-28°611	+56°334	0.65	...	...
...	37°090	-53°725	-1	...	...	...	32°332	+42°656	-5	M	...	...	28°399	-22°486	-5	...	...
*	37°052	+52°413	1.20	43.1829	10.1	...	32°325	-3°737	0.90	...	...	...	28°396	-50°933	-5	...	...
*	36°882	-21°075	1.80	44.1911	9.4	...	32°275	+12°716	-2	...	...	...	28°319	+27°183	0.75	...	...
*	36°852	-11°707	1.00	44.1910	10.4	...	32°257	+48°893	1.20	43.1836	10.2	...	28°302	+49°290	-3	A	...
...	-36°775	-42°405	-5	...	...	...	-32°233	+30°682	1.00	43.1835	10.4	*	-28°210	-5°552	1.05	44.1923	10.1
...	36°759	+42°175	-5	M	...	...	32°191	+54°822	-5	M	...	...	28°022	+18°552	0.80	...	...
*	36°744	-30°772	0.95	44.1912	10.4	...	32°066	+52°118	-4	...	...	...	28°014	-53°949	-4	...	...
...	36°681	-17°687	-4	...	...	...	31°906	+24°938	0.80	...	...	...	27°921	-3°958	-3	...	...
...	36°636	-44°693	-5	...	...	...	31°857	-57°693	-5	...	...	...	27°766	-41°711	-3	...	...
291	...	...	...	...	...	351	...	...	...	...	...	411	...	...	...	...	...
...	-36°621	+16°308	-1	...	...	...	-31°803	+20°429	-5	M	...	...	-27°563	+16°712	-1	...	...
...	36°614	-25°617	-2	...	...	...	31°798	-36°883	-5	...	...	*	27°495	+57°768	1.40	42.1704	9.8
...	36°407	-27°195	-5	M	...	...	31°758	-50°072	-4	...	...	...	27°469	-24°699	-2	...	...
...	36°367	+30°886	-5	M	...	...	31°714	+43°003	1.70	43.1837	9.8	...	27°463	+8°965	-5	M	...
...	36°212	+21°354	-4	...	...	...	31°600	+13°326	-5	M	...	...	27°455	-25°513	-5	...	...
...	-36°147	+14°152	-4	M	...	...	-31°505	+53°190	1.85	43.1838	9.6	...	-27°397	+5°272	-4	...	...
†	36°001	-10°065	1.80	44.1915	9.4	...	31°371	+33°250	-5	M	...	*	27°397	-18°523	1.80	44.1924	9.0
*	35°836	-26°178	1.05	44.1914	10.1	...	31°364	+11°610	-3	...	...	...	27°391	+42°187	-5	M	...
...	35°826	-41°945	-4	...	...	...	31°363	-35°171	1.10	44.1918	10.2	...	27°367	+30°535	-5	M	...
...	35°725	+14°971	0.80	...	...	...	31°258	-29°798	-3	...	...	...	27°325	+36°303	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-480						481-540						541-600					
421	-27.304	-50.388	-3	...	...	481	-23.607	+29.001	1.60	43.1846	9.4	541	-20.386	-25.947	1.80	44.1933	9.4
...	27.295	+21.913	-4	M	...	...	23.569	+39.070	1.15	43.1847	10.4	...	20.294	+48.788	-5	...	...
*	27.147	-8.869	0.90	44.1925	10.4	...	23.380	+29.351	-3	M	...	...	20.204	-37.530	-5	M	...
...	27.128	-44.492	0.65	...	...	...	23.378	+45.189	-1	...	...	...	20.187	-1.035	1.05	43.1855	10.4
...	27.009	-12.023	-4	...	...	...	23.202	+9.513	0.90	...	...	...	20.150	-17.383	-5	M	...
...	-26.996	-8.453	-3	...	...	...	-23.169	-1.153	-3	...	...	...	20.119	+45.323	0.80	...	...
*	26.980	-13.753	0.85	...	...	...	23.143	+47.082	0.65	...	...	...	20.053	-19.835	0.95	44.1934	10.4
...	26.861	-8.412	-5	M	...	...	23.101	+25.514	1.30	43.1848	9.8	...	20.032	+39.083	-4	...	...
...	26.855	+46.587	-4	...	...	...	23.007	-52.559	-2	...	...	...	20.008	-36.145	1.50	44.1935	9.8
...	26.851	-18.651	0.65	...	...	...	22.959	-0.577	-5	M	...	...	19.950	+51.271	-4	M	...
431	-26.533	+21.358	-3	M	...	491	-22.890	-35.679	1.15	44.1931	10.1	551	-19.814	-36.338	-5	M	...
...	26.526	+50.296	0.65	...	...	...	22.819	+3.779	-2	A	...	...	19.810	-32.306	-5	M	...
...	26.510	-59.244	-1	...	...	...	22.819	+13.118	-5	M	...	...	19.802	-50.040	-1	...	...
*	26.498	-19.600	3.40	44.1926	7.6	...	22.779	-19.775	-5	M	...	...	19.671	+1.753	0.95	43.1856	10.4
*	26.372	+6.758	0.85	M	...	...	22.745	-18.421	-1	...	...	...	19.635	+53.094	2.30	43.1858	8.6
...	-26.271	+15.011	-5	M	...	...	-22.744	-5.570	-5	M	...	...	-19.601	+13.537	-4	M	...
...	26.265	+34.367	-5	M	...	...	22.707	-4.564	-5	M	...	...	19.591	+24.258	1.50	43.1857	9.8
...	26.264	-5.640	-5	M	...	...	22.691	-21.059	-1	...	...	...	19.445	+46.966	0.65	43.1859	10.4
...	26.242	+22.467	-1	...	...	...	22.642	+48.334	-3	B	...	...	19.405	-43.827	-4	...	...
...	26.222	-31.241	-4	...	...	...	22.631	-11.898	-5	M	...	...	19.371	-35.386	-3	...	...
441	-26.212	+43.518	1.80	43.1841	9.4	501	-22.546	+47.267	1.30	43.1849	10.2	561	-19.338	-19.863	-3	...	...
*	26.207	+25.895	0.95	43.1840	10.4	...	22.520	+49.632	-5	M	...	...	19.240	-12.755	0.75	...	...
*	26.153	-41.594	1.50	44.1927	9.7	...	22.485	-11.439	-4	M	...	...	19.220	-46.792	1.20	44.1936	10.0
...	26.123	+41.238	-5	M	...	...	22.373	-57.039	1.90	44.1932	9.6	...	19.208	-14.942	-4	...	...
...	26.118	+18.199	-2	...	...	...	22.350	+47.222	-4	M	...	...	19.016	-5.009	-2	...	...
...	-26.020	-18.015	-5	M	...	...	-22.254	+4.321	1.20	43.1851	10.0	...	-18.947	+29.144	-5	M	...
...	25.928	+6.605	-5	M	...	...	22.234	-0.119	0.90	43.1850	10.4	...	18.917	-52.363	-3	...	...
*	25.870	-24.861	1.80	44.1928	9.3	...	22.165	-22.615	0.70	...	...	...	18.867	+4.496	0.65	...	...
...	25.793	-17.901	-1	...	...	...	22.030	+38.886	-3	...	...	...	18.844	+13.721	-4	M	...
...	25.606	-14.968	-1	...	...	...	22.021	-28.582	-3	...	...	...	18.804	+33.916	-5	M	...
451	-25.542	+12.521	0.95	43.1842	10.4	511	-21.965	+27.400	0.70	...	...	571	-18.663	-17.957	-2	...	...
...	25.485	-21.977	-4	...	...	...	21.943	+44.299	-5	M	...	...	18.458	-36.054	-4	...	...
...	25.375	+57.630	-5	M	...	...	21.925	-31.219	-5	...	...	...	18.434	-35.189	-1	...	...
...	25.337	-22.520	-5	M	...	...	21.788	+3.295	-3	M	...	...	18.425	-44.594	-4	...	...
*	25.333	+45.125	1.70	43.1843	9.6	...	21.735	+43.677	0.65	...	...	...	18.230	+24.676	-4	M	...
...	-25.315	-15.989	0.65	...	...	...	-21.575	+43.487	-1	...	...	...	-18.129	-33.720	-5	M	...
...	25.223	-39.998	1.30	44.1929	9.9	...	21.546	+51.119	-4	...	...	...	18.086	+27.741	0.75	...	...
...	25.004	+20.783	-3	...	...	...	21.535	-18.412	0.70	...	...	...	18.008	+10.262	-5	M	...
...	24.966	+44.933	0.75	43.1844	10.2	...	21.491	+19.757	1.30	43.1852	9.9	...	18.004	-38.155	-5	M	...
...	24.933	-24.870	-5	M	...	...	21.322	+39.094	-5	M	...	...	18.003	+47.758	1.20	43.1860	10.0
461	-24.929	-47.142	-2	...	...	521	-21.305	+26.320	-5	M	...	581	-17.941	-28.992	1.20	44.1938	10.1
*	24.926	+42.993	0.80	...	...	...	21.273	+31.756	1.70	43.1853	9.6	...	17.837	-9.179	-2	...	...
...	24.919	+10.651	-5	M	...	...	21.185	+31.540	-5	M	...	...	17.785	-46.232	-3	...	...
...	24.781	-28.227	-4	...	...	...	21.150	-32.547	-5	M	...	...	17.775	-41.127	-3	...	...
...	24.686	+33.878	-1	A	...	...	21.149	-27.222	-3	...	...	...	17.731	-3.061	-4	M	...
...	-24.637	-4.463	0.70	...	...	...	-21.056	+41.828	-1	...	...	...	-17.605	-38.175	0.80	...	...
...	24.635	-33.567	0.75	...	...	...	21.043	+32.052	0.70	...	...	...	17.591	-26.883	-5	M	...
*	25.584	+33.430	0.95	...	...	...	20.970	+34.582	-5	M	...	...	17.485	+59.309	-4	...	...
*	24.495	+1.152	0.90	43.1845	10.4	...	20.963	-40.867	-4	M	...	...	17.453	-0.937	-4	M	...
...	24.333	+0.425	-5	M	...	...	20.954	+52.935	-2	...	...	...	17.273	+22.517	-5	M	...
471	-24.323	-33.743	1.00	44.1930	10.4	531	-20.866	+48.291	-3	...	...	591	-17.159	-39.212	-5	...	...
...	24.252	-40.490	-3	...	...	...	20.817	+6.682	-5	M	...	...	17.120	-18.411	-4	...	...
...	24.211	-36.006	-3	...	...	...	20.756	-57.209	-3	...	...	...	17.079	+33.398	-3	...	...
...	24.049	+41.782	0.70	...	...	...	20.734	+42.442	-5	M	...	...	17.034	+43.978	-4	...	...
*	24.021	+45.259	0.90	...	...	...	20.707	-55.132	-1	...	...	...	17.028	+41.684	-5	M	...
...	-23.967	-26.733	-4	...	...	...	-20.701	+18.266	-4	M	...	...	-16.941	+12.187	-5	M	...
...	23.863	-7.335	-5	M	...	...	20.486	-24.536	-4	...	...	...	16.886	-31.270	-4	M	...
...	23.855	+20.639	0.70	...	...	...	20.466	+32.112	-2	...	...	...	16.842	+8.657	-5	M	...
...	23.762	-14.034	-5	M	...	...	20.434	+28.863	2.60	43.1854	8.3	...	16.768	+1.332	-4	M	...
...	23.751	-54.811	0.70	...	...	...	20.424	-5.643	-3	...	...	...	16.756	-59.409	1.30	42.1730	0.5

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
601-660						661-720						721-780					
601	-16.713	-57.274	-4	...	...	661	-12.785	-25.039	1.15	44.1944	10.2	721	-9.011	-13.885	0.75	...	...
...	16.689	-18.471	-4	M	...	...	12.725	+4.563	1.80	43.1865	9.7	...	8.954	-26.474	-4	...	...
...	16.641	+35.984	0.65	...	...	...	12.717	-58.555	0.80	44.1945	10.4	...	8.942	+4.117	-2	A	...
...	16.638	+13.921	0.70	...	...	...	12.716	+32.055	-4	M	...	...	8.909	+27.459	0.65	...	...
...	16.612	+39.114	-2	...	...	...	12.677	-19.662	-4	M	...	...	8.904	-9.085	1.60	44.1952	9.2
*	-16.534	+44.034	1.20	43.1861	10.0	...	-12.629	+10.993	-3	M	...	...	8.859	+48.021	1.40	43.1872	9.8
...	16.519	-54.231	-5	...	...	...	12.558	+51.531	-4	M	...	...	8.845	+13.157	1.10	43.1873	10.0
...	16.447	+26.719	0.75	...	...	...	12.510	-43.891	1.20	44.1946	10.2	...	8.824	-25.140	0.70	...	...
...	16.435	-13.694	1.00	44.1939	10.2	...	12.499	-6.197	-3	...	...	...	8.791	-2.729	-4	M	...
...	16.366	+2.340	-4	M	...	...	12.421	-3.964	0.85	...	...	...	8.781	-54.452	-2	...	...
611	-16.215	-1.822	-4	...	...	671	-12.365	+32.141	0.85	...	...	731	-8.756	-4.099	-4	M	...
...	16.007	+17.117	-5	M	...	...	12.361	+17.720	-4	M	...	...	8.685	-14.077	-1	...	...
...	15.952	+45.316	-5	M	...	...	12.303	+8.468	1.40	43.1866	9.9	...	8.664	-30.336	-2	...	...
*	15.948	-51.507	1.10	44.1940	10.4	...	12.218	-12.604	-5	M	...	...	8.622	+44.700	-2	M	...
...	15.900	-10.043	0.65	...	...	...	12.181	-40.823	-5	M	...	...	8.569	+26.946	0.75	...	...
...	-15.849	-21.062	-5	M	...	...	-12.128	+11.019	0.85	...	...	...	-8.564	-20.447	-1	...	...
...	15.827	+30.354	-5	M	...	...	11.983	-8.399	-3	...	...	...	8.548	-43.482	-4	...	...
†	15.765	+9.731	1.00	43.1862	10.4	...	11.979	-53.474	-5	...	...	...	8.532	+50.826	-5	M	...
...	15.734	-11.220	-4	M	...	...	11.892	+25.761	2.00	43.1867	9.1	...	8.498	-20.604	-4	...	...
*	15.715	-6.368	0.95	...	...	...	11.878	+24.012	-4	M	...	...	8.478	-34.172	0.65	...	...
621	-15.400	-37.143	-2	...	...	681	-11.857	+14.815	-4	M	...	741	-8.468	+52.206	1.15	43.1874	10.4
...	15.367	+3.965	0.65	...	...	...	11.647	+31.904	0.75	...	...	...	8.426	-34.287	0.65	...	...
...	15.229	+26.418	0.85	...	...	...	11.629	-9.253	-4	...	...	...	8.391	-26.575	-4	...	...
...	14.906	-26.848	-3	...	...	...	11.617	-5.235	-3	...	...	...	8.357	+34.053	1.00	43.1875	10.4
...	14.848	+11.432	0.70	...	...	...	11.546	+36.106	1.80	43.1868	9.6	...	8.310	+25.640	0.65	...	...
...	-14.739	-32.074	0.80	...	...	...	-11.511	+21.723	-4	M	...	...	-8.042	+27.950	0.95	43.1876	10.4
...	14.723	+29.924	-3	...	...	...	11.459	-8.251	1.00	44.1947	10.4	...	7.957	-1.109	0.90	43.1877	10.4
...	14.623	+16.969	-5	M	...	...	11.449	-5.491	-4	...	...	...	7.917	-30.352	-4	...	...
...	14.606	-33.531	-3	...	...	...	11.430	+30.217	1.40	43.1869	10.0	...	7.601	+5.923	1.10	43.1878	10.0
*	14.552	+14.922	1.80	43.1863	9.6	...	11.396	+23.592	1.70	43.1870	9.7	...	7.566	-17.422	-5	M	...
631	-14.493	-10.804	1.40	44.1941	10.0	691	-11.372	-23.348	-4	...	...	751	-7.559	+9.097	-4	M	...
...	14.487	+13.759	-4	M	...	...	11.362	+0.996	0.85	...	...	...	7.440	-54.721	1.40	44.1954	10.1
...	14.240	-17.688	-4	M	...	...	11.346	+11.030	0.90	...	...	...	7.419	-14.371	1.00	44.1953	10.2
...	14.109	+36.557	-4	M	...	...	11.295	+21.817	0.70	...	...	...	7.412	+26.382	-5	M	...
...	14.104	+0.823	0.70	A	...	...	11.115	+8.872	0.90	...	...	...	7.323	-20.527	0.65	...	...
†	-13.902	+4.853	-5	M	...	...	-11.007	+23.063	-3	M	...	...	-7.291	-16.946	0.65	...	...
...	13.870	+6.884	-3	A	...	...	10.955	-24.094	1.15	44.1948	10.1	...	7.253	+33.584	0.70	...	...
...	13.814	+5.752	-4	M	...	...	10.765	+20.475	2.00	43.1871	9.1	...	7.243	+8.061	-3	B	...
*	13.802	+58.750	1.20	42.1734	10.4	...	10.724	-39.312	-5	...	...	N*	7.238	+20.327	0.85	...	...
...	13.776	-2.185	-2	...	...	...	10.505	-33.135	1.20	44.1949	9.9	N*	7.164	+20.287	1.30	43.1879	9.6
641	-13.758	-54.690	-4	...	...	701	-10.473	-11.197	-4	...	...	761	-7.124	+14.850	0.65	...	...
...	13.743	-35.152	-1	...	...	...	10.454	-7.980	-3	...	...	S*	7.108	-34.417	1.75	44.1955	9.0
...	13.622	-4.730	0.80	...	...	...	10.428	-10.438	-4	...	...	...	7.101	-50.721	0.65	...	...
...	13.597	-44.076	0.90	...	...	...	10.410	+12.351	-5	M	...	...	7.074	-39.557	-4	M	...
...	13.579	+23.291	-4	M	...	...	10.406	-25.390	0.90	44.1950	10.4	...	7.017	+41.470	-2	...	...
*	-13.496	+50.953	1.20	43.1864	10.4	...	-10.345	+59.563	-3	...	...	...	-7.015	-34.586	-4	...	...
...	13.489	-18.296	-4	...	...	...	10.169	+36.356	-4	M	...	...	6.998	+36.703	-2	B	...
...	13.443	-36.296	0.80	44.1942	10.4	...	10.113	-27.869	-4	...	...	...	6.992	+29.705	0.70	...	...
...	13.429	+48.888	-4	...	...	...	10.084	-26.603	-4	...	...	...	6.778	+6.792	0.80	...	...
...	13.380	-17.919	-4	M	...	...	10.049	+38.092	0.70	...	...	...	6.687	+33.470	-5	M	...
651	-13.376	-18.410	0.65	...	...	711	-10.009	+31.833	-5	M	...	771	-6.684	+14.836	1.30	43.1880	9.6
...	13.324	+49.223	0.75	...	...	...	9.802	+5.872	-5	M	...	...	6.637	+14.506	1.20	43.1881	9.7
...	13.158	-33.027	-2	...	...	...	9.734	-49.923	-3	...	...	...	6.550	+39.468	-1	...	...
...	13.151	-7.709	0.65	...	...	...	9.586	+38.513	-3	...	...	...	6.520	+45.596	-1	...	...
*	13.054	-19.097	0.95	44.1943	10.4	...	9.516	+0.712	0.90	...	...	...	6.502	+11.087	1.05	43.1882	10.0
...	-12.949	+25.272	0.75	...	...	...	-9.493	-13.786	-4	M	...	...	-6.345	-4.490	-5	M	...
...	12.925	-48.137	-1	...	...	...	9.478	-41.450	0.95	44.1951	10.4	...	6.336	-29.699	1.40	44.1956	9.7
...	12.918	-19.204	-5	M	...	...	9.289	-44.547	-5	M	...	...	6.322	-42.792	-5	...	...
...	12.808	+7.891	-4	M	...	...	9.057	-43.644	-5	...	...	...	6.312	-6.598	1.80	44.1957	9.2
...	12.807	+18.894	-2	...	...	...	9.034	-12.477	-1	...	...	...	6.276	-21.185	1.00	44.1958	10.4

759, 760. 43° 47' mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
781-840						841-900						901-960					
781	- 6'260	- 30'530	- 2	...	...	841	- 2'631	+ 15'177	- 2	...	...	901	+ 1'886	- 23'517	- 5	M	...
...	6'225	- 39'518	- 5	M	...	...	2'618	+ 3'303	2'30	43.1885	8·9	...	1'897	31'830	- 5	M	...
...	6'206	- 15'546	- 2	A m	...	...	2'100	+ 7'437	- 4	M m	...	...	1'953	- 28'289	- 5	M	...
...	6'098	+ 11'849	- 3	M	...	...	2'097	- 23'143	- 3	...	...	...	2'039	- 1'610	- 4	M	...
...	6'048	- 58'767	- 3	...	...	...	1'994	+ 51'665	1'00	43.1886	10·4	...	2'058	- 20'406	- 1	M	...
...	- 5'962	+ 56'128	0'65	...	...	...	- 1'936	- 16'309	- 5	M m	...	...	+ 2'114	- 16'825	5	M	...
...	5'950	+ 33'172	0'65	...	...	S *	1'864	+ 16'780	1'85	43.1887	9·1	...	2'176	- 27'901	- 2	...	...
...	5'849	- 29'282	- 5	M m	...	...	1'821	+ 57'640	- 3	...	...	...	2'179	- 4'129	4	M	...
...	5'847	- 22'190	- 5	M m	...	...	1'812	- 1'782	- 2	...	...	...	* 2'320	- 27'093	0'90	...	...
...	5'813	- 21'575	- 5	M m	...	...	1'763	- 38'751	- 5	...	...	...	* 2'411	+ 44'974	1'60	43.1890	9·7
791	- 5'747	+ 18'639	- 2	B	...	851	- 1'679	+ 49'689	0'85	...	...	911	+ 2'428	- 4'004	0'70	...	...
...	5'677	+ 37'047	- 5	M	...	...	1'663	- 22'282	- 1	...	...	...	2'481	- 50'089	1'30	44.1969	10·0
...	5'671	+ 47'063	0'75	...	...	...	1'593	+ 39'715	- 4	M	...	...	2'540	+ 55'566	- 5	M m	...
...	* 5'624	- 28'240	0'80	...	...	...	1'463	- 18'105	- 2	...	...	...	2'603	- 6'360	- 5	M m	...
...	5'621	- 47'671	- 4	...	...	...	1'389	+ 58'783	- 3	...	...	...	2'759	+ 20'557	- 5	M m	...
...	- 5'557	- 39'922	- 3	...	...	...	- 1'240	+ 32'650	0'75	...	...	...	+ 2'771	+ 17'877	0'70	...	...
...	5'555	- 30'649	- 3	...	...	...	1'190	- 27'510	- 4	M	...	...	2'779	+ 2'016	- 3	M m	...
...	5'515	- 50'234	- 5	...	...	...	1'095	- 18'763	- 4	...	...	...	2'807	+ 52'276	- 5	M m	...
N * [	5'468	- 37'502	1'20	44.1959	10·4	...	1'022	+ 15'715	- 3	M m	...	...	2'817	+ 58'725	- 4	...	...
...	5'221	+ 31'335	- 5	M m	...	...	0'989	+ 30'223	0'90	...	...	...	3'009	- 8'278	- 3	M	...
801	- 5'209	+ 25'709	- 4	M m	...	861	- 0'979	+ 27'164	0'80	...	...	921	+ 3'053	- 38'407	- 3	...	...
...	* 5'171	- 39'904	0'90	...	...	...	0'812	+ 19'888	- 3	M	...	...	3'059	- 54'285	- 5	...	...
...	† 5'147	- 1'710	- 4	M m	...	...	0'775	+ 11'793	0'65	M	...	...	3'085	- 43'184	- 5	M	...
...	† 5'110	+ 0'100	- 4	M m	...	...	0'720	+ 59'365	- 5	M m	...	...	* 3'164	+ 49'181	1'30	43.1891	9·9
...	5'008	- 4'412	0'95	44.1960	10·4	...	0'713	- 29'012	- 5	M	...	...	* 3'331	- 9'853	1'40	44.1970	9·6
...	- 4'987	- 19'055	- 4	M m	...	...	* 0'670	- 59'940	1'30	44.1964	9·9	...	+ 3'372	+ 16'594	- 4	M m	...
...	4'962	- 12'354	- 4	M m	...	...	0'598	- 36'040	- 4	...	...	...	3'403	+ 11'305	- 2	B m	...
...	* 4'798	+ 49'593	1'05	43.1883	10·2	...	0'595	- 20'913	- 5	M	...	...	3'537	+ 10'871	- 5	M m	...
...	4'790	- 38'442	- 5	M	...	...	0'578	+ 1'902	- 4	M m	...	...	3'620	- 13'157	- 4	M	...
...	4'771	- 36'848	0'65	...	...	...	0'560	+ 37'490	- 5	M m	...	...	3'626	+ 21'893	- 5	M m	...
811	- 4'661	+ 22'206	- 4	M m	...	871	- 0'499	+ 26'022	- 3	M m	...	931	+ 3'634	+ 31'974	- 4	M m	...
...	4'588	+ 15'564	- 3	m	...	...	0'387	+ 20'245	- 3	M	...	...	3'640	+ 33'015	- 5	M m	...
...	4'542	- 18'938	- 2	...	...	...	0'336	+ 48'346	- 4	M m	...	...	* 3'796	- 4'363	1'15	43.1895	10·0
...	* 4'522	- 8'629	1'30	44.1961	10·0	...	† 0'145	+ 57'195	- 1	42.1761	10·4	...	3'797	- 2'981	- 4	M m	...
...	4'448	- 47'846	1'20	44.1962	10·4	...	- 0'016	+ 21'113	0'65	M	...	...	3'878	+ 57'315	- 2	...	...
...	- 4'324	+ 52'888	- 4	...	...	...	+ 0'134	+ 0'813	- 1	B m	...	...	* 3'901	- 52'952	1'05	44.1971	10·4
...	4'185	- 26'504	- 3	...	...	...	0'148	- 49'579	- 5	...	...	...	3'951	- 37'853	0'65	...	...
...	4'114	- 51'899	- 4	...	...	...	0'149	- 4'880	- 5	M m	...	...	* 3'966	+ 19'473	1'40	43.1892	9·6
...	4'092	- 22'126	0'65	...	...	...	0'235	- 19'399	- 4	...	...	...	3'970	- 12'392	0'75	...	...
...	4'027	+ 10'376	- 4	M m	...	...	0'292	+ 37'802	0'65	...	...	...	3'990	+ 27'127	- 5	M m	...
821	- 3'838	- 9'157	- 5	M m	...	881	+ 0'322	- 23'845	0'95	44.1965	10·2	941	+ 4'007	- 35'325	- 2	...	...
...	3'795	- 52'484	0'80	...	...	...	0'513	+ 24'463	0'75	...	...	...	* 4'082	+ 10'806	0'95	43.1895	10·4
...	3'728	- 28'897	- 1	...	...	S *	0'538	- 57'498	3'00	44.1966	8·1	...	4'095	- 27'449	- 5	M m	...
...	3'624	- 59'747	- 1	...	...	...	0'592	- 29'578	- 2	...	...	...	4'141	- 44'308	- 5	...	...
...	3'586	- 50'239	- 5	...	...	...	0'680	+ 20'981	- 4	M m	...	...	4'184	+ 5'214	- 3	M m	...
...	- 3'539	+ 19'868	- 4	M m	...	...	+ 0'703	+ 9'719	- 5	M m	...	...	+ 4'188	- 7'309	- 5	M m	...
...	3'363	+ 8'984	- 2	B m	...	...	0'800	- 12'857	- 5	M	...	...	4'234	- 4'287	0'70	...	...
...	3'362	- 13'811	0'85	...	...	...	0'876	- 5'323	- 5	M m	...	...	4'288	- 44'143	- 5	...	...
...	3'358	- 24'796	- 3	...	...	...	0'946	- 35'606	0'65	...	...	...	4'305	- 13'256	0'65	m	...
...	3'346	- 9'065	- 3	...	...	...	1'082	- 0'298	- 5	M m	...	...	* 4'410	+ 51'410	1'30	43.1894	10·2
831	- 3'290	+ 16'540	0'65	...	...	891	+ 1'154	+ 33'245	0'95	...	...	951	+ 4'457	- 25'195	0'80	...	...
...	* 3'267	+ 52'615	1'40	43.1884	10·1	...	1'162	+ 19'045	1'10	43.1888	9·9	...	4'492	- 5'864	- 5	M m	...
...	3'241	- 11'214	0'80	...	...	...	1'173	- 8'038	0'70	...	...	...	4'605	+ 14'959	- 5	M m	...
...	† 3'123	- 10'090	- 4	M	...	...	1'248	+ 11'068	- 3	M m	...	...	4'649	- 53'290	- 2	M	...
...	3'080	- 12'109	- 2	...	...	...	* 1'351	+ 28'998	1'20	43.1889	10·0	...	4'721	- 20'335	- 4	M	...
...	* 3'030	- 18'529	0'95	44.1963	10·4	...	+ 1'369	+ 8'017	- 4	M m	...	...	+ 4'801	- 7'553	- 2	M	...
...	3'026	+ 39'110	- 3	M	...	...	1'571	- 11'565	0'65	...	...	...	* 4'921	- 48'076	1'30	43.1896	10·0
...	2'939	- 42'975	- 4	...	...	...	1'589	- 12'503	- 3	M	...	...	† 4'949	- 19'515	- 4	M	...
...	2'843	- 29'111	- 5	M m	...	...	1'645	+ 2'903	- 5	M m	...	...	4'998	- 14'004	- 4	M	...
...	2'703	- 31'684	- 4	...	...	...	1'708	+ 13'931	- 4	M m	...	...	† 5'013	- 54'881	1'70	44.1972	9·4

799. Mass. 45·47, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		-I.	No.		Mag.	x.		y.	-I.		No.	Mag.		x.	y.	-I.	No.	Mag.
961-1020						1021-1080						1081-1140							
961	+	5°032	+33°048	-2	...	...	+	8°486	-50°243	-4	...	...	+	12°004	+32°923	-2	a	...	
...	...	5°078	-10°981	-5	M m	...	...	8°571	-2°608	0·85	43·1901	10·4	...	12°093	+6°830	-5	m	...	
...	...	5°103	+20°927	-2	...	...	...	8°637	+31°562	-1	...	...	...	12°192	+1°450	-5	m	...	
...	*	5°164	+32°524	0·90	...	...	...	8°648	-28°135	-4	...	...	...	12°284	+5°685	-1	a	...	
...	...	5°213	+13°528	-5	M m	...	...	8°808	+17°570	1·00	43·1902	10·1	...	12°369	+12°888	-5	m	...	
...	*	+5°235	+14°437	0·90	43·1897	10·2	...	+8°815	-6°621	-4	m	...	...	+12°417	-42°472	0·65	...	...
...	...	5°354	+57°364	-4	M m	...	...	8°826	-31°976	0·65	...	...	...	12°479	-31°470	0·95	44·1988	10·4	
...	...	5°363	-9°411	-4	M	...	...	8°835	+0°877	-2	a	...	...	12°482	-32°287	-1	...	...
...	†	5°401	+39°735	-3	...	...	...	8°966	+23°699	1·80	43·1903	9·6	...	12°518	+20°265	1·00	43·1908	10·1	
...	...	5°422	-37°968	-4	...	...	...	9°071	-12°945	-4	...	...	...	12°527	+5°765	0·70	...	...
971	+	5°462	+13°283	-5	M m	...	1031	+	9°076	-58°431	-5	...	...	+	12°560	+8°293	-4	m	...
...	*	5°474	+42°419	1·60	43·1898	9·6	...	9°146	-42°807	0·65	...	...	...	12°625	-1°927	2·00	43·1909	9·2	
...	*	5°515	-23°241	0·95	44·1973	10·4	...	9°161	+15°491	-4	m	...	...	12°707	+12°475	-3	m	...	
...	...	5°647	+15°375	-5	m	...	...	9°211	-1°202	0·85	...	...	...	12°719	-29°587	1·60	44·1989	9·4	
...	...	5°881	-50°580	-5	...	...	...	9°272	-0°769	0·70	...	...	...	12°996	+24°340	-2	...	...
...	+	5°971	-11°598	-4	M	...	...	+9°424	-6°641	-4	...	...	...	+13°038	+51°844	-4	...	...
...	...	6°066	-30°585	-4	M	...	...	9°454	-16°927	-3	m	...	...	13°086	-5°769	-5	m	...	
...	...	6°099	-4°740	-5	m	...	...	9°485	+26°684	-3	m	...	...	13°245	+16°007	-2	...	...
...	...	6°110	-24°077	-3	...	...	...	9°623	-7°711	1·15	44·1979	10·0	...	13°274	-31°507	-4	...	...
...	...	6°128	+20°240	-4	m	...	...	9°663	+31°768	-4	...	...	...	13°332	-33°989	2·00	44·1990	9·2	
981	+	6°152	+2°623	-4	m	...	1041	+	9°883	+10°866	1·40	43·1906	9·6	...	+13°404	-3°378	-3	...	...
...	...	6°168	+40°544	-5	m	...	†	9°920	+40°106	-5	m	...	...	...	13°418	-31°329	-5	m	...
...	...	6°177	-8°733	-5	m	...	†	9°923	-14°668	1·05	44·1980	9·8	...	...	13°433	+32°310	-2	...	...
...	*	6°302	-30°574	2·10	44·1974	8·6	...	9°975	-19°833	-4	...	...	...	...	13°439	-2°557	0·65	...	...
...	...	6°401	+25°551	-4	m	...	...	10°048	+43°892	1·50	43·1904	9·6	...	...	13°442	+42°984	-3	m	...
...	+	6°454	+7°516	0·80	...	...	*	+10°090	+22°722	1·20	43·1905	9·9	...	...	+13°508	+51°343	-5	m	...
...	...	6°577	+4°106	-3	m	...	...	10°122	-24°124	-3	...	...	...	...	13°555	-17°369	1·40	44·1991	9·4
...	...	6°681	+36°202	-5	m	...	...	10°173	+51°008	0·65	...	...	...	...	13°565	+22°178	1·10	43·1910	10·0
...	...	6°802	-33°800	-3	...	...	...	10°196	-55°367	-1	...	...	...	...	13°587	+20°628	0·85	...	...
...	*	6°891	-46°083	1·00	44·1975	10·4	...	10°205	-44°572	-4	...	...	...	...	13°647	-10°531	1·30	44·1992	9·6
991	+	6°917	-43°847	-3	...	...	1051	+	10°230	+3°010	0·65	a	...	...	+13°853	-51°802	-5	...	...
...	...	6°981	-58°167	-4	...	...	*	10°265	+7°092	0·90	...	...	...	...	13°924	+7°167	-5	m	...
...	...	7°010	-22°971	-3	...	...	*	10°267	-32°420	1·05	44·1981	10·4	...	...	13°938	-36°392	-4	...	...
...	...	7°101	+47°751	-5	m	...	...	10°388	-5°928	0·70	...	...	...	...	13°945	-22°565	-5	...	...
...	...	7°200	+3°377	-3	m	...	...	10°546	+45°169	0·70	...	...	...	...	13°994	+36°167	-2	...	...
...	+	7°210	-19°575	-4	...	...	*	+10°652	-14°799	1·20	44·1982	9·8	...	...	+14°165	-5°825	-1	...	...
...	...	7°331	+55°463	-5	...	...	...	10°689	+1°898	-5	m	...	...	...	14°178	-53°679	-5	...	...
...	...	7°340	-36°518	-5	...	...	...	10°776	-58°940	0·85	44·1984	10·4	...	...	14°221	-48°762	-3	...	...
...	...	7°466	+30°207	-5	m	...	...	10°815	+0°541	0·70	a	...	...	...	14°243	+32°558	1·30	43·1912	9·8
...	...	7°494	+26°171	-2	...	...	...	10°833	-1°251	1·20	43·1907	10·0	...	...	14°255	+26°593	0·65	...	...
1001	+	7°499	+36°632	-5	m	...	1061	+	10°884	-16°113	-5	m	...	...	+14°294	+25°824	1·10	43·1911	10·4
...	*	7°512	-36°701	2·40	44·1976	8·5	*	10°950	-51°818	1·30	44·1986	10·1	...	...	14°376	-33°372	-5	...	...
...	†	7°555	+39°656	1·80	43·1899	9·4	...	10°996	+26°484	-3	m	...	...	...	14°410	+13°365	0·70	...	...
...	...	7°557	+11°356	-4	m	...	...	11°007	+50°212	0·70	...	...	...	...	14°454	+12°859	-5	m	...
...	S*	7°580	+15°762	3·10	43·1900	7·8	*	11°055	-25°299	0·85	...	...	...	...	14°459	-28°565	-1	...	...
...	+	7°642	-25°745	-4	...	...	...	+11°120	-44°950	-4	...	...	...	...	+14°564	-21°570	1·70	44·1993	9·1
...	...	7°773	-44°411	-4	...	...	...	11°129	+49°855	0·70	...	...	...	...	14°573	+15°645	0·90	...	...
...	...	7°783	-6°943	-4	...	...	...	11°255	-7°139	-5	m	...	...	...	14°595	+55°545	0·65	...	...
...	...	7°820	-44°174	0·95	44·1977	10·4	*	11°345	-20°413	1·15	44·1987	10·0	...	...	14°682	-9°255	-1	...	...
...	...	7°861	-54°515	-3	...	...	†	11°435	-30°060	-4	...	...	...	...	14°875	+40°897	1·10	43·1913	10·2
1011	+	7°891	+31°638	-5	m	...	1071	+	11°531	+51°608	-3	...	...	...	+14°917	+29°923	1·00	43·1914	10·2
...	...	8°076	+33°652	-3	...	...	...	11°587	+10°527	0·70	...	...	...	...	14°997	+32°992	0·80	...	...
...	...	8°094	-53°958	-2	...	...	...	11°610	-5°939	0·70	...	...	...	...	15°058	-46°893	-2	...	...
...	...	8°158	+7°705	0·90	...	...	...	11°622	+11°590	-4	a	...	...	...	15°172	-6°639	0·90	44·1994	10·2
...	...	8°207	+5°978	-4	m	...	...	11°671	-49°429	-3	...	...	...	...	15°175	-10°646	-5	m	...
...	+	8°255	-28°683	0·80	...	...	...	+11°741	-7°943	-2	...	...	...	...	+15°238	+52°418	-5	...	...
...	*	8°332	-40°549	1·15	44·1978	10·2	...	11°745	-47°349	-3	...	...	...	...	15°238	+11°077	2·00	43·1915	9·0
...	...	8°348	-17°379	0·80	...	...	...	11°761	-39°890	-5	...	...	...	...	15°268	-19°048	-4	...	...
...	...	8°372	-42°520	-4	...	...	...	11°776	+32°273	-3	m	...	...	...	15°321	+10°826	-3	m	...
...	...	8°445	-35°475	0·90	...	...	...	11°914	+40°882	-4	...	...	...	...	15°428	+17°573	1·00	43·1916	10·4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1141-1200						1201-1260						1261-1320						
1141	+15.505	+16.452	-4	m	...	1201	+18.961	-36.493	-2	...	...	1261	+21.851	+24.434	-3	m	...	
...	15.517	-14.569	-4	...	...	...	18.988	-32.328	-4	...	...	...	21.884	-9.904	-5	m	...	
...	15.541	-46.571	-3	...	...	...	18.991	-25.124	0.65	...	...	...	21.892	+32.314	0.90	...	...
...	15.634	-48.369	0.75	...	...	...	19.002	-35.065	-4	m	...	...	22.111	-4.867	-4	...	...
...	15.647	-19.472	-3	...	...	...	19.027	+24.607	-5	m	...	...	22.163	-21.089	-3	...	...
...	+15.666	-7.113	-3	...	...	...	+19.028	+39.643	0.95	43.1921	10.4	...	+22.183	+37.616	0.85	...	...
...	15.710	+17.693	0.65	43.1917	10.4	...	19.057	-2.099	-4	m	...	...	22.192	-16.696	-5	m	...	
...	15.719	+52.649	-3	...	...	...	19.077	-31.262	-2	...	...	...	22.301	+42.099	-2	...	...
...	15.947	+11.582	-5	m	...	...	19.185	+17.981	0.95	43.1922	10.4	...	22.361	-11.618	-1	...	...
...	16.042	-40.608	-2	...	...	...	19.194	+40.589	-3	...	...	...	22.542	+25.372	-5	m	...	
1151	+16.153	+26.786	-3	...	...	1211	+19.290	-7.457	-5	...	...	1271	* +22.545	-39.509	1.00	44.2010	10.4	
...	16.275	+10.571	-3	...	...	...	19.310	+44.359	-5	m	...	...	* 22.621	+20.163	0.95	43.1930	10.4	
*	16.296	+15.929	1.10	43.1918	10.2	...	19.362	+28.461	-4	m	...	...	...	22.690	+0.568	-2	a	...
...	16.349	+39.941	-3	...	...	...	19.505	-39.637	0.75	...	...	...	* 22.772	+45.437	1.40	43.1929	10.0	
...	16.389	+17.178	-3	...	...	...	19.554	+38.112	-5	m	...	...	...	22.789	+22.013	-2	...	...
...	+16.396	+30.031	0.65	...	...	...	+19.598	+33.381	-4	m	...	...	...	+22.812	-16.465	-2	...	...
S*	16.523	-5.567	4.00	44.1995	7.4	...	19.652	+18.453	-2	...	...	...	...	22.840	+2.864	0.80	...	...
...	16.539	-11.786	-5	...	...	...	19.782	+38.134	-4	...	...	...	...	22.890	+59.429	-4	m	...
...	16.555	+8.604	-4	m	...	...	19.814	-58.121	-1	44.2001	10.4	...	* 22.898	+19.301	1.00	43.1931	10.4	
...	16.624	-30.802	-4	...	...	...	19.898	-4.621	0.65	...	...	...	...	22.990	+9.519	-3	m	...
1161	+16.689	-13.060	0.75	...	...	1221	+19.955	-46.702	0.65	...	...	1281	+23.010	-34.981	-5	...	...
...	16.708	-47.719	-1	...	...	...	19.962	-22.973	-5	...	...	...	...	23.077	+5.802	-1	a	...
*	16.817	+43.260	1.50	43.1919	9.8	...	19.972	+10.161	-3	m	...	...	...	23.109	+2.551	-4	m	...
...	16.968	+23.136	-4	m	...	...	20.047	+14.539	1.15	43.1923	9.8	...	...	23.183	+13.793	-3	m	...
...	17.007	-19.587	-4	...	...	...	20.244	-48.170	-5	...	...	...	...	23.190	+29.429	-4	m	...
*	+17.028	-6.889	3.00	44.1996	7.9	...	+20.249	+23.144	-1	a	...	...	...	+23.263	+28.740	0.75	...	...
...	17.047	+5.099	-4	m	...	...	20.281	-21.682	-4	...	...	...	...	23.461	+9.301	-5	m	...
...	17.087	+2.844	-4	m	...	...	20.428	-20.815	1.00	44.2002	10.1	...	...	23.537	-38.468	0.90	...	...
...	17.088	-26.314	-4	...	...	...	20.448	-58.246	-1	...	...	...	* 23.553	+33.642	1.10	43.1932	10.4	
...	17.179	+51.431	-4	...	...	...	20.451	+36.525	-5	m	...	...	...	23.584	+15.718	-5	m	...
1171	+17.190	+42.274	-5	m	...	1231	+20.460	-29.822	1.00	44.2003	10.4	1291	+23.590	-9.428	0.65	...	...
...	17.194	+43.260	-4	m	...	...	20.463	-4.334	-1	...	...	...	...	23.714	+17.137	-1	a	...
...	17.437	-40.654	0.85	...	...	...	20.468	-37.362	-5	...	...	...	...	23.735	+12.421	-5	m	...
...	17.443	-5.889	-4	...	...	...	20.499	-49.888	-4	...	...	...	...	23.772	-54.778	0.70	...	...
*	17.448	+9.199	2.10	43.1920	8.8	...	20.587	+4.266	-5	m	...	...	...	23.825	+51.890	-3	...	...
...	+17.488	-1.096	-3	...	...	...	+20.589	-27.198	-4	m	...	...	* 23.833	-41.370	1.60	44.2012	9.7	
...	17.492	+25.641	-5	m	...	...	20.611	+24.057	1.90	43.1924	9.3	...	...	23.860	+5.029	-3	m	...
...	17.508	-25.354	-4	...	...	...	20.626	-3.383	-2	...	...	...	...	23.898	-30.870	-3	...	...
...	17.544	+15.611	-3	m	...	...	20.657	+25.416	-4	m	...	...	...	23.909	+17.367	-3	m	...
...	17.869	-18.129	-4	...	...	...	20.668	-40.704	-5	...	...	...	...	24.021	-8.665	-5	...	...
1181	+17.909	-5.696	1.80	44.1997	9.4	1241	+20.732	-33.345	-1	...	...	1301	* +24.070	+22.399	1.30	43.1933	9.7	
...	17.914	-20.331	-4	...	...	...	20.758	-12.586	0.70	...	...	...	...	24.255	-28.421	-4	...	...
...	17.963	-47.572	0.95	44.1998	10.4	...	20.810	-50.172	1.20	44.2007	10.4	...	...	24.361	-0.340	-3	...	...
...	18.042	-30.875	-5	...	...	...	20.959	-30.371	1.00	44.2005	10.2	...	...	24.375	-18.101	-4	...	...
...	18.054	+21.645	-4	m	...	...	20.966	-6.290	1.20	44.2004	9.9	...	...	24.375	-18.101	-4	...	...
...	+18.089	+2.410	-5	m	...	...	+20.977	-31.102	0.95	44.2006	10.4	...	...	24.660	+30.938	-5	m	...
...	18.090	+15.145	-5	m	...	...	21.062	+23.258	2.40	43.1925	8.5	...	...	+24.709	-48.532	-2	...	...
...	18.138	-48.811	-5	...	...	...	21.244	-34.825	-5	...	...	...	...	24.712	-5.438	-2	...	...
*	18.187	-49.048	2.00	44.1999	9.2	...	21.248	+42.373	2.00	43.1926	9.1	...	...	+ 24.804	-31.713	-3	...	...
...	18.247	+9.260	-4	m	...	...	21.265	-27.276	0.70	...	...	...	...	+ 24.833	+10.068	0.80	...	...
1191	+18.678	-15.302	0.70	a	...	1251	+21.271	-12.643	0.80	...	...	1311	+25.036	-21.441	-4	...	...
...	18.681	+14.093	-3	...	...	...	21.303	+19.987	1.40	43.1927	9.8	...	...	25.068	+39.823	-4	...	...
...	18.716	-12.965	-2	a	...	...	21.328	+57.839	0.75	...	...	...	...	25.128	-15.710	-4	...	...
...	18.757	-16.496	-5	...	...	...	21.462	-7.494	0.65	...	...	...	...	25.265	-15.492	-4	m	...
...	18.790	-2.421	-4	...	...	...	21.512	-13.844	-5	...	...	...	...	* 25.260	-27.125	0.95	44.2014	10.4
...	+18.812	+30.586	-4	m	...	...	+21.534	+10.106	-2	...	...	...	...	-25.307	-24.623	-3	...	...
...	18.823	+56.600	-1	...	...	...	21.562	+12.433	1.00	43.1928	10.4	...	...	25.354	-34.431	-4	...	...
*	18.914	-42.241	2.10	44.2000	8.9	...	21.608	-15.477	1.10	44.2008	10.0	...	...	25.380	-38.400	-4	...	...
...	18.938	+6.331	-4	m	...	...	21.715	-2.016	-2	...	...	...	...	25.421	+22.042	0.65	...	...
...	18.959	+0.925	-5	m	...	...	21.764	+32.409	-5	m	...	...	...	25.445	-1.626	-5	...	...

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.						
	x.	y.	r.	No.	Mag.	x.	y.		r.	No.	Mag.	x.	y.	r.	No.		Mag.	x.	y.	r.	No.	Mag.						
1501-1560																												
1501								1561										1621										
...	+34.320	+51.347	0.75	...	...	...	...	...	+37.690	+28.869	-4	...	...	...	...	...	...	...	+41.244	+32.450	0.80	...	...	...	...
*	34.391	+52.603	1.50	43.1956	10.1	...	...	...	37.707	+38.882	-5	m	...	...	...	...	...	...	41.428	-0.032	-1	...	...	...	...	...
...	34.459	+20.205	-4	m	...	...	...	...	37.732	-19.717	-4	...	...	...	...	...	...	...	41.512	-11.119	-2	a	...	...	...	...
...	34.476	+19.434	0.65	...	...	...	...	...	37.752	-44.757	0.75	44.2033	10.4	...	...	...	...	...	41.648	-8.536	-5	m	...	...	...	...
...	34.536	+42.251	-2	...	...	...	...	...	37.781	-23.190	0.95	44.2032	10.4	...	...	...	...	...	41.666	-7.969	-2	...	...	...	...	...
...	+34.577	-37.716	-2	...	...	...	...	...	+37.881	+16.052	-5	m	...	...	...	...	...	...	* 41.670	+37.704	1.15	43.1967	10.4	...	...	...
...	34.631	-54.962	2.00	44.2028	9.3	...	...	...	37.885	-47.180	-5	...	...	...	...	...	...	...	...	41.765	+15.482	-2	a	...	...	...
...	34.664	+21.694	-2	...	...	...	...	...	37.889	+49.785	-4	...	...	...	...	...	...	...	...	41.788	+57.409	-5	...	...	...	...
...	34.684	-6.034	-1	...	...	...	...	...	* 38.148	+5.622	1.00	43.1960	10.2	...	...	...	...	...	* 41.800	-50.443	1.70	44.2038	9.7	...	...	...
...	* 34.685	-30.593	1.05	44.2027	10.2	...	...	...	...	38.170	-55.614	-4	...	...	...	...	...	...	* 41.878	-17.378	1.00	44.2036	10.2	...	...	...
1561-1620																												
1571								1631									1641											
...	+34.685	-15.719	0.65	...	...	...	...	...	+38.216	+17.550	0.85	...	...	...	...	...	...	...	...	+41.950	+56.273	-4	...	...	...	...
...	34.858	+12.405	-3	...	...	...	...	...	38.253	-1.622	-2	...	...	...	...	...	...	...	...	* 42.090	-6.498	1.30	44.2037	9.7	...	...
...	34.917	-58.694	-1	44.2029	10.2	...	...	...	* 38.324	+34.199	1.70	43.1959	9.9	...	...	...	...	...	...	* 42.132	+46.864	3.10	43.1968	8.0	...	...
...	34.970	+12.086	-5	m	...	...	...	...	38.348	-5.452	-5	m	...	...	...	...	...	...	...	...	42.271	+18.320	-5	m	...	...	...
...	35.075	+57.835	-4	...	...	...	...	...	38.405	-19.870	-4	...	...	...	...	...	...	...	...	* 42.416	-2.149	1.00	43.1969	10.4	...	...
...	+35.129	-12.814	-2	...	...	...	...	...	+38.496	-49.567	-4	...	...	...	...	...	...	...	...	...	+42.451	+32.353	0.80	...	...	...	...
...	35.217	+26.341	-5	m	...	...	...	...	38.542	+33.646	-2	...	...	...	...	...	...	...	...	...	42.472	-9.650	-4	...	...	...	...
...	35.339	-17.323	-3	...	...	...	...	...	38.580	-19.154	-3	...	...	...	...	...	...	...	...	...	* 42.532	-51.257	2.00	44.2039	9.4	...	...
...	35.344	+18.079	0.75	...	...	...	...	...	38.651	-55.497	-5	...	...	...	...	...	...	...	...	...	42.551	+14.178	-1	...	...	...	...
...	35.398	+47.745	-3	...	...	...	...	...	38.681	-55.354	-4	...	...	...	...	...	...	...	...	...	42.594	+39.279	-4	...	...	...	...
1561-1620																												
1571								1581									1641											
...	35.518	+25.093	-4	m	...	...	...	...	† 38.732	+14.712	0.70	...	...	...	...	...	...	...	...	...	+42.601	-33.605	-4	...	...	...	...
...	35.626	-22.398	-3	...	...	...	...	...	38.779	-24.071	-3	...	...	...	...	...	...	...	...	...	42.630	-28.430	0.85	...	...	...	...
...	35.717	-25.390	0.90	...	...	...	...	...	38.798	-45.641	-3	...	...	...	...	...	...	...	...	...	42.691	+35.529	-4	m	...	...	...
...	35.858	-1.220	-5	m	...	...	...	...	38.843	-21.883	-4	...	...	...	...	...	...	...	...	...	42.849	+26.928	-1	...	...	...	...
...	35.865	+41.550	-4	...	...	...	...	...	38.890	+31.848	-2	...	...	...	...	...	...	...	...	...	43.203	+57.252	-3	...	...	...	...
...	+35.866	+28.542	-3	...	...	...	...	...	+38.902	+32.860	-3	...	...	...	...	...	...	...	...	...	* 43.309	-51.105	1.50	43.1970	10.1	...	...
...	35.987	-49.521	-5	...	...	...	...	...	39.008	-29.189	0.90	...	...	...	...	...	...	...	...	...	43.360	+19.849	-5	m	...	...	...
...	36.092	+7.153	-3	...	...	...	...	...	39.013	-20.844	0.80	...	...	...	...	...	...	...	...	...	43.399	+42.616	-4	...	...	...	...
...	36.099	-19.317	-4	...	...	...	...	...	39.118	+52.621	-2	...	...	...	...	...	...	...	...	...	43.419	+15.437	-2	...	...	...	...
...	36.130	-50.573	-4	...	...	...	...	...	* 39.194	+17.707	1.50	43.1962	9.8	...	...	...	...	...	...	† 43.426	-0.227	-1	a	...	...	...
1561-1620																												
1531								1591									1651											
...	+36.162	+7.544	-2	...	...	...	...	...	+39.276	+2.438	-5	m	...	...	...	...	...	...	...	...	+43.498	-14.956	-1	...	...	...	...
...	36.170	-49.948	-1	...	...	...	...	...	39.316	+27.830	-4	m	...	...	...	...	...	...	...	...	43.500	-43.709	-1	...	...	...	...
...	36.192	-17.655	-3	...	...	...	...	...	* 39.396	+34.306	1.40	43.1961	10.2	...	...	...	...	...	...	...	43.502	-4.730	-5	m	...	...	...
...	36.235	-21.704	-4	...	...	...	...	...	39.457	-23.135	1.05	44.2034	10.4	...	...	...	...	...	...	...	43.536	+45.453	-5	m	...	...	...
...	* 36.269	+1.016	1.00	43.1957	10.4	...	...	...	39.468	+7.530	-5	m	...	...	...	...	...	...	...	...	43.592	+9.701	-3	m	...	...	...
...	+36.291	-39.269	-4	...	...	...	...	...	+39.532	-11.763	0.80	...	...	...	...	...	...	...	...	...	* 43.630	+19.916	1.70	43.1971	9.6	...	...
...	36.387	-37.923	-4	...	...	...	...	...	39.706	+22.056	-4	m	...	...	...	...	...	...	...	...	* 43.736	-12.551	1.30	44.2040	9.7	...	...
...	36.449	-5.351	-4	...	...	...	...	...	† 39.707	-40.930	-3	...	...	...	...	...	...	...	...	...	43.741	-22.112	0.65	...	...	...	...
...	36.483	-3.368	-4	...	...	...	...	...	39.707	-40.930	-3	...	...	...	...	...	...	...	...	...	43.741	-22.112	0.65	...	...	...	...
...	36.483	-3.368	-4	...	...	...	...	...	39.864	+18.976	-5	m	...	...	...	...	...	...	...	...	43.805	-12.408	-1	...	...	...	...
...	36.500	+44.560	-4	...	...	...	...	...	40.005	-48.777	1.15	44.2035	10.4	...	...	...	...	...	...	...	† 43.882	+39.660	2.10	43.1972	9.0	...	...
1561-1620																												
1541								1601									1661											
...	+36.561	-46.028	2.00	44.2031	9.2	...	...	...	+40.035	-34.295	-5	...	...	...	...	...	...	...	...	...	* 43.941	+25.681	1.15	43.1973	10.1	...	...
...	36.605	-3.378	0.65	...	...	...	...	...	40.054	-5.541	-3	...	...	...	...	...	...	...	...	...	43.955	-44.879	-5	m	...	...	...
...	36.688	-1.783	-5	m	...	...	...	...	40.062	-10.953	-5	...	...	...	...	...	...	...	...	...	43.974	+32.845	-2	a	...	...	...
...	36.709	-44.698	-5	...	...	...	...	...	40.065	-43.531	-4	...	...	...	...	...	...	...	...	...	* 44.010	-9.300	5.20	43.1974	5.3	...	...
...	36.761	-46.896	-3	...	...	...	...	...	40.101	+53.074	0.70	...	...	...	...	...	...	...	...	...	44.104	-23.652	0.85	...	...	...	...
...	* 36.835	+59.184	2.50	42.1855	8.6	+40.219	-27.230	-3	+44.145	-22.821	-5	m
...	* 36.901	-8.032	1.00	44.2030	10.4	...	...	...	40.235	-50.465	-3	...	...	...	...	...	...	...	...	...	* 44.165	-29.640	1.50	44.2041	9.7	...	...
...	36.909	-7.832	-3	...	...	...	...	...	* 40.286	+45.862	5.00	43.1963	5.5	...	...	...	...	...	...	...	44.166	-45.201	-2	...	...	...	...
...	36.947	+6.059	-5	m	...	...	...	...	40.363	-34.143	-5	...	...	...	...	...	...	...	...	...	44.284	+13.590	-1	a	...	...	...
...	37.031	-43.271	-4	...	...	...	...	...	40.436	-16.776	-1	...	...	...	...	...	...	...	...	...	44.285	-11.027	-3	a	...	...	...
1561-1620																												
1551</																												

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-i.	No.	Mag.	x.	y.		-i.	No.	Mag.	x.	y.	-i.	No.		Mag.	x.	y.	-i.	No.	Mag.	x.	y.	-i.	No.	Mag.
1681-1740						1741-1800						1801-1860														
1681	+45.278	+50.652	-4	...	...	1741	+48.847	+52.017	-3	...	1801	+52.733	+7.097	-5	<i>m</i>	...	...	...	...	...	...	...	...	...	...	...
...	45.348	+18.637	-3	...	...	...	48.950	-36.258	-5	...	*	52.776	+21.278	1.00	...	...	...	...	...	...	...	...	...	...	...	...
*	45.358	+8.812	1.70	43.1979	9.7	...	49.004	-3.142	-5	...	...	52.790	+8.928	-5	<i>m</i>	...	...	...	...	...	...	...	...	...	...	...
...	45.447	+57.654	-5	...	...	...	49.037	-27.053	1.00	44.2049	10.4	...	52.891	+20.952	0.65	...	...	...	...	...	...	...	...	...	...	...
*	45.503	-5.592	1.30	44.2043	10.2	*	49.045	+33.020	1.20	43.1991	10.2	...	52.967	-32.018	-5	...	...	...	...	...	...	...	...	...	...	...
*	+45.515	+31.464	1.40	43.1978	9.9	...	+49.064	-45.793	-3	...	...	...	+52.985	-0.037	-3	<i>a</i>	...	...	...	...	...	...	...	...	...	...
...	45.537	+2.323	-4	<i>m</i>	...	...	49.065	+14.097	-5	<i>m</i>	...	...	52.991	+37.698	-3	...	...	...	...	...	...	...	...	...	...	...
...	45.619	+39.997	-4	...	...	...	49.227	-35.320	-4	...	...	...	53.008	+43.821	-5	...	...	...	...	...	...	...	...	...	...	...
...	45.685	+12.562	-4	<i>m</i>	...	...	49.293	-35.612	-5	...	...	...	53.009	-31.299	-1	...	...	...	...	...	...	...	...	...	...	...
...	45.721	+10.575	-4	<i>m</i>	...	...	49.375	+19.874	1.00	43.1994	10.4	...	53.074	+44.629	-1	43.2008	10.4	...	...	...	...	...	...	...	...	...
1691	+45.817	-58.621	-3	...	...	1751	+49.417	-30.854	-5	...	1811	+53.113	-3.138	-4	...	...	...	...	...	...	...	...	...	...	...	...
...	45.849	-9.987	1.70	44.2044	9.8	...	49.456	+0.473	0.90	43.1996	10.2	...	53.126	-24.595	0.75	44.2052	10.4	...	...	...	...	...	...	...	...	...
*	45.867	-1.055	1.05	43.1980	10.4	...	49.470	-25.582	-4	...	...	...	53.169	-43.238	-2	...	...	...	...	...	...	...	...	...	...	...
...	46.012	+56.980	-5	...	...	...	49.481	-29.434	-3	...	...	...	* 53.266	+46.819	1.20	43.2009	10.2	...	...	...	...	...	...	...	...	...
...	46.191	+58.928	-5	...	...	...	49.539	+45.623	-2	...	...	...	* 53.414	-38.016	1.60	44.2053	9.6	...	...	...	...	...	...	...	...	...
*	+46.311	+10.560	1.10	43.1982	10.2	...	+49.591	+27.825	0.90	...	...	...	...	+53.452	-41.047	-1	...	...	...	...	...	...	...	...	...	...
...	46.387	-40.240	-4	...	...	*	49.623	+49.419	1.30	43.1992	10.0	...	* 53.505	+3.222	1.40	43.2013	9.8	...	...	...	...	...	...	...	...	...
*	46.445	+14.157	1.50	43.1981	9.8	†	49.699	+48.234	-3	43.1993	10.4	...	...	53.655	-26.822	-1	...	...	...	...	...	...	...	...	...	...
...	46.467	-24.404	-4	...	...	†	49.705	+1.123	3.00	43.1997	8.0	...	* 53.672	+48.442	2.80	43.2010	8.6	...	...	...	...	...	...	...	...	...
...	46.485	+22.644	-3	...	...	†	49.790	-28.991	-5	...	...	...	...	53.708	-15.265	0.75	...	...	...	...	...	...	...	...	...	...
1701	+46.595	-20.480	-4	...	...	1761	+49.821	-33.104	-5	...	1821	+53.860	+53.856	-3	...	...	...	...	...	...	...	...	...	...	...	...
...	46.625	+45.970	-3	...	...	...	49.841	+12.506	-1	<i>a</i>	...	*	53.907	-44.713	1.20	44.2055	10.2	...	...	...	...	...	...	...	...	...
...	46.717	+57.560	-5	<i>m</i>	...	†	49.870	+7.545	1.50	43.1998	9.6	...	...	53.918	+30.266	0.75	...	...	...	...	...	...	...	...	...	...
...	46.765	+16.449	1.05	...	...	...	49.940	-15.471	-3	...	...	*	53.921	-18.721	1.60	44.2054	9.4	...	...	...	...	...	...	...	...	...
...	46.773	+16.339	0.65	43.1983	10.0	...	49.999	+11.347	0.85	...	...	*	54.023	+34.524	1.10	43.2012	10.4	...	...	...	...	...	...	...	...	...
...	+46.860	-7.589	-1	...	...	...	+50.016	+15.811	-2	...	...	*	+54.129	+57.922	3.00	42.1887	8.6	...	...	...	...	...	...	...	...	...
...	46.938	+2.130	0.90	...	...	*	50.112	+38.163	1.50	43.1995	9.8	*	54.230	+46.652	2.20	43.2011	9.6	...	...	...	...	...	...	...	...	...
...	47.011	+7.611	-2	...	...	...	50.155	+5.069	0.65	...	...	...	...	54.245	+53.152	-4	<i>m</i>	...	...	...	...	...	...	...	...	...
...	47.138	-22.913	-4	...	...	...	50.187	-22.430	-5	...	...	...	...	54.279	+30.608	-5	<i>m</i>	...	...	...	...	...	...	...	...	...
*	47.214	-4.338	1.00	44.2045	10.4	...	50.242	+4.090	-1	...	...	...	...	54.379	+1.211	0.65	...	...	...	...	...	...	...	...	...	...
1711	+47.222	+2.886	-5	<i>m</i>	...	1771	+50.423	-0.966	2.10	43.1999	9.0	1831	+54.564	+13.432	1.20	43.2014	9.9	...	...	...	...	...	...	...	...	...
...	47.225	-1.303	-2	...	...	*	50.461	+6.354	-5	<i>m</i>	...	†	54.800	-57.524	-5	...	...	...	...	...	...	...	...	...	...	...
...	47.280	-29.090	-3	...	...	...	50.675	+12.933	-5	<i>m</i>	...	...	...	55.019	-6.555	-4	...	...	...	...	...	...	...	...	...	...
...	47.312	-33.241	-2	...	...	...	50.718	-24.797	-3	...	...	*	55.151	-0.691	1.60	43.2016	10.0	...	...	...	...	...	...	...	...	...
...	47.327	+38.415	-2	...	...	...	50.757	-22.730	-3	...	...	...	...	55.158	+51.967	-4	...	...	...	...	...	...	...	...	...	...
...	+47.340	+16.352	-5	<i>m</i>	...	...	+50.779	+10.817	-4	...	...	...	...	+55.306	-56.216	-4	...	...	...	...	...	...	...	...	...	...
...	47.344	-36.661	0.80	44.2046	10.4	...	50.996	+56.067	-5	...	...	...	...	55.338	-1.912	-4	...	...	...	...	...	...	...	...	...	...
...	47.352	+6.584	-5	<i>m</i>	...	*	51.112	+12.069	0.95	43.2000	10.4	...	...	55.350	-23.334	-1	...	...	...	...	...	...	...	...	...	...
...	47.377	+35.171	-4	<i>m</i>	...	*	51.175	+9.593	1.40	43.2001	9.8	...	...	55.378	-2.236	-4	...	...	...	...	...	...	...	...	...	...
...	47.395	+17.512	0.95	43.1984	10.4	...	51.179	+12.186	-1	...	...	...	...	55.489	+36.764	-1	...	...	...	...	...	...	...	...	...	...
1721	+47.510	+14.705	-4	<i>m</i>	...	1781	+51.402	+38.672	-4	...	1841	+55.499	+41.889	-5	<i>m</i>	...	...	...	...	...	...	...	...	...	...	...
...	47.555	+39.413	-3	...	...	...	51.422	-3.743	-4	...	...	...	...	55.589	-24.617	-4	...	...	...	...	...	...	...	...	...	...
...	47.648	+4.722	-4	<i>m</i>	...	...	51.427	-22.998	-4	...	*	55.670	-7.677	1.40	44.2056	10.2	...	...	...	...	...	...	...	...	...	...
...	47.802	+2.336	-4	<i>m</i>	...	...	51.557	+24.168	1.00	43.2002	10.4	...	...	55.688	+10.492	-4	...	...	...	...	...	...	...	...	...	...
...	47.878	+19.683	-4	<i>m</i>	...	...	51.690	+34.663	-5	<i>m</i>	...	*	55.690	-54.079	1.50	44.2059	9.9	...	...	...	...	...	...	...	...	...
...	+47.932	-24.810	-4	...	...	*	+51.716	+21.651	1.20	43.2003	9.9	*	+55.782	+44.514	1.60	43.2015	10.0	...	...	...	...	...	...	...	...	...
...	48.014	+30.228	-5	<i>m</i>	...	*	51.795	-33.822	1.50	44.2051	9.8	*	55.851	+25.632	2.70	43.2017	8.9	...	...	...	...	...	...	...	...	...
*	48.074	+47.460	2.60	43.1985	8.9	*	51.844	+21.183	1.10	43.2004	10.2	...	...	55.877	-57.727	-5	...	...	...	...	...	...	...	...	...	...
*	48.248	+50.758	2.70	43.1986	9.2	...	51.869	+27.513	0.70	...	...	...	...	55.883	+30.832	-2	...	...	...	...	...	...	...	...	...	...
*	48.336	+34.952	1.10	43.1988	10.4	...	51.889	+13.123	0.70	...	...	...	...	55.895	-2.156	-4	...	...	...	...	...	...	...	...	...	...
1731	+48.350	+24.776	1.50	43.1989	10.0	1791	+52.025	+46.965	0.65	...	1851	+56.289	-58.935	-5	...	...	...	...	...	...	...	...	...	...	...	...
†	48.373	+45.883	3.60	43.1987	8.1	...	52.049	+18.205	0.90	...	...	...	...	56.315	-44.517	-3	...	...	...	...	...	...	...	...	...	...
S*	48.531	-25.684	-4	...	...	...	52.119	-0.911	0.70	...	...	†	56.348													

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1861-1870						1871-1880						1881-1885					
1861				°		1871				°		1881					
...	+57°082	-4°143	-4	...	...	...	+57°919	+28°189	-3	...	...	...	+59°144	-3°579	1°10	43.2023	10°4
*	57°210	+8°183	1°10	43.2019	10°4	...	58°024	+21°176	-3	...	...	...	59°232	+16°636	-1	...	...
...	57°289	+42°832	-4	...	...	...	58°123	-47°494	-4	...	...	...	59°388	-16°274	-5	...	...
...	57°317	+6°916	-5	...	...	S*	58°371	-14°679	2°50	44.2061	9°2	...	59°449	+57°789	-5	...	...
...	57°353	-1°890	-5	...	...	...	58°427	-12°189	-4	...	...	†	59°655	+33°925	1°80	43.2021	9°7
...	+57°422	+29°934	-4	...	...	...	+58°620	+53°053	-5	...	...	...		
...	57°584	+42°976	-5	m	...	*	58°714	-50°416	2°20	44.2063	9°7	...					
...	57°711	-42°720	-4	...	...	...	58°869	-13°183	-4	...	...	...		
...	57°718	-21°068	1°20	44.2060	10°4	*	58°939	-23°415	1°30	44.2062	10°2	...					
...	57°826	+29°849	-4	...	...	...	59°118	+4°998	1°05	43.2022	10°4	...					

1-40						41-80						81-120						
I				°		41				°		81						
†	-59°798	+49°251	0°80	43.1992	10°0	†	-54°949	+30°263	-2	...	...	...	-48°684	-3°421	0°70	43.2023	10°4	
†	59°781	+45°466	-3	...	...	*	54°538	+3°203	1°20	43.2013	9°8	...	...	48°507	+39°842	-1	43.2024	10°4
...	59°688	+48°083	-3	43.1993	10°4	†	54°057	-24°609	-1	44.2052	10°4	...	...	48°373	-47°339	-3	...	...
...	59°475	-36°845	-2	44.2046	10°4	...	53°974	-31°313	-3	...	...	...	...	48°368	+58°550	1°30	42.1902	9°4
...	59°192	+27°670	-2	...	...	*	53°795	+13°441	1°20	43.2014	9°9	...	...	48°303	-23°261	0°90	44.2062	10°2
...	-59°178	+19°706	0°80	43.1994	10°4	...	-53°779	-15°264	-2	...	...	...	...	-48°091	+50°485	-3	...	...
*	58°993	+38°034	1°30	43.1995	9°8	...	53°606	+1°220	-2	...	...	...	...	48°004	+15°435	-2	43.2025	10°4
...	58°962	-4°537	0°90	44.2047	10°0	...	53°574	+36°804	0°65	...	...	*	...	47°703	-50°240	1°20	44.2063	9°7
...	58°535	-25°972	0°80	44.2048	10°2	*	53°515	+44°543	1°20	43.2015	10°0	...	...	47°442	-12°154	-3	...	...
...	58°495	+0°330	-1	43.1996	10°2	...	53°477	-26°826	-3	...	...	...	...	47°232	-5°277	-2	...	...
II						51						91						
*	-58°303	+7°420	1°30	43.1998	9°6	...	-53°463	-43°240	-3	...	...	...	...	-47°180	+32°681	-3	...	...
...	58°291	+11°221	0°65	...	...	*	53°460	-18°716	1°30	44.2054	9°4	...	...	47°086	-19°144	-2	...	...
*	58°255	+0°989	2°80	43.1997	8°0	*	53°384	-38°007	1°20	44.2053	9°6	*	...	46°980	-30°161	1°40	44.2064	9°4
...	58°074	-27°173	0°70	44.2049	10°4	...	53°248	-41°040	-3	...	...	...	...	46°722	-6°632	-2	...	...
*	57°485	-1°073	1°55	43.1999	9°0	...	52°995	+30°878	0°65	...	...	...	...	46°633	-43°110	-3	...	...
...	-57°338	+46°876	-2	...	...	*	-52°856	+25°672	2°40	43.2017	8°9	...	...	-46°553	+10°429	-2	...	...
...	57°212	+11°971	0°80	43.2000	10°4	*	52°765	-0°657	1°10	43.2016	10°0	*	...	46°517	+43°891	1°00	43.2027	10°4
...	57°154	+50°872	-1	43.2005	10°4	...	52°682	-44°686	0°80	44.2055	10°2	...	...	46°386	+47°904	-3	...	...
...	57°130	+57°463	0°80	42.1883	9°8	...	52°674	+55°016	0°70	43.2018	10°4	...	...	46°199	+21°564	0°90	43.2026	10°2
...	57°124	+24°082	0°75	43.2002	10°4	*	52°047	-7°616	1°15	44.2056	10°2	...	...	46°121	-12°422	-3	...	...
21						61						101						
*	-57°063	+9°501	1°20	43.2001	9°8	...	-51°885	-23°282	-2	...	...	...	...	-46°101	-53°681	-3	...	...
...	56°905	+27°435	-2	...	...	...	51°419	+30°032	-3	...	...	*	...	46°086	+22°854	1°00	43.2028	10°2
...	56°873	+21°572	0°90	43.2003	9°9	...	51°021	+29°949	-2	...	...	...	...	45°836	-9°855	-3	...	...
...	56°745	+21°099	0°75	43.2004	10°2	*	51°007	-18°826	1°00	44.2057	10°2	...	...	45°723	-23°005	-2	...	...
*	56°664	+36°147	1°15	43.2007	10°0	...	50°983	+8°275	0°70	43.2019	10°4	*	...	45°524	+37°198	2°30	43.2029	8°2
*	-56°458	+22°928	1°45	43.2006	9°0	...	-50°945	+0°216	-3	...	...	...	...	-45°472	-50°477	-2	...	...
...	56°455	+18°133	0°70	...	...	...	50°863	+28°204	-2	...	...	...	...	45°368	-33°040	1°25	43.2030	0°8
...	56°452	+13°047	-2	...	...	...	50°727	-4°050	-3	...	...	...	...	45°312	-55°127	2°30	44.2065	8°8
...	56°223	+44°579	-2	43.2008	10°4	*	50°604	-53°997	1°20	44.2059	9°9	...	...	45°166	-43°340	-3	...	...
...	56°172	+24°610	-3	...	...	...	50°570	+21°291	-2	...	...	...	...	45°028	-21°657	-2	...	...
31						71						111						
...	-56°070	+46°767	0°80	43.2009	10°2	...	-50°272	-44°419	-3	...	...	...	...	-44°981	-46°075	-3	...	...
...	55°811	+21°224	0°75	...	...	†	49°923	-45°576	-2	...	...	...	...	44°860	+32°198	0°70	43.2031	10°2
...	55°799	-0°969	-2	...	...	...	49°590	-20°941	0°70	44.2060	10°4	...	...	44°747	-15°504	-2	...	...
*	55°728	+48°408	2°40	43.2010	8°6	...	49°531	+52°719	0°70	43.2020	10°4	...	...	44°686	+32°176	-2	43.2031	10°2
...	55°716	+53°830	-4	...	...	*	49°329	+34°086	1°10	43.2021	9°7	...	...	44°589	+25°536	-2	...	...
...	-55°672	+20°909	-2	...	...	...	-49°220	+38°375	-3	...	...	...	...	-44°581	-6°920	-1	...	...
*	55°560	+57°897	3°00	42.1887	8°6	...	49°219	+16°784	-2	...	...	...	...	44°572	+16°898	-3	...	...
*	55°119	+46°634	1°50	43.2011	9°6	S†	49°120	-14°540	1°60	44.2061	9°2	...	...	44°437	-7°176	-3	...	...
*	55°115	-33°874	1°20	44.2051	9°8	...	48°976	+5°149	0°70	43.2022	10°4	...	...	44°273	-42°327	-3	...	...
...	54°980	+34°527	0°80	43.2012	10°4	...	48°946	-42°579	-3	...	...	*	...	44°245	-50°711	1°20	44.2066	10°2

CH measured from 1, 160, 347, 537, 685, 854, 1075.
B " " 73, 259, 442, 584, 758, 968.

112, 114. C.P.D. probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
121-180						181-240						241-300					
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
†	-44°190	-4°725	-1	44.2068	10.4	...	-37°779	-1°115	0.80	43.2043	10.4	*	-31°447	+52°118	1.40	43.2057	9.6
*	44°168	+50°848	1.10	43.2033	10.2	...	37°772	+27°453	0.65	...	...	...	31°203	-52°842	0.90	44.2090	10.2
...	44°073	-26°509	-3	...	...	...	37°730	+7°016	0.70	...	...	...	31°073	+57°334	0.80	42.1931	10.1
...	44°001	+29°231	0.90	43.2032	10.2	S*	37°597	+50°849	3.10	43.2045	8.0	...	31°027	+27°645	-3	...	...
*	43°995	-56°855	4.80	44.2067	6.5	...	37°457	-25°699	-3	...	...	...	31°027	-49°331	-2	44.2091	10.4
n	-43°907	-38°986	-3	44.2069	10.4	...	-37°374	-11°644	-3	...	...	...	-31°020	-34°674	-2	...	...
...	43°834	-23°974	-3	...	...	...	37°289	+24°688	-2	...	...	...	31°000	+29°675	1.00	43.2058	10.4
n	43°805	-39°028	-2	44.2069	10.4	...	37°192	-2°416	0.80	43.2044	10.4	...	30°803	+31°505	-3	...	...
...	43°794	+4°159	-3	...	...	...	37°139	-22°774	-3	...	...	...	30°719	+9°961	0.65	...	...
...	43°648	+16°154	-2	...	...	...	37°099	-14°234	-1	...	...	...	30°671	-11°874	1.00	44.2093	10.4
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
...	-43°491	+57°396	-3	...	...	...	-36°885	-6°752	0.80	...	...	...	-30°632	+43°752	-2	...	...
...	43°409	-18°018	-1	44.2070	10.4	*	36°685	-41°591	1.00	44.2080	10.4	...	30°625	+30°698	-3	...	...
...	43°302	-11°137	-2	...	...	...	36°508	-35°871	-3	...	...	...	30°615	-38°254	0.70	...	...
...	43°192	-23°923	-2	...	...	...	36°488	+6°760	-3	...	...	...	30°489	+32°037	-3	...	...
...	43°069	-26°480	-3	...	...	...	36°473	-25°618	0.75	...	...	...	30°409	+58°828	-3	...	...
*	-42°971	-13°679	1.20	44.2071	9.2	...	-36°354	-14°733	0.70	...	...	...	-30°395	-15°787	-2	...	...
...	42°719	+12°464	-2	...	...	...	36°175	+25°485	-3	...	...	...	30°248	+4°464	1.00	43.2059	10.4
...	42°468	+34°732	-2	...	...	...	36°111	-10°283	-3	...	...	...	30°248	+4°464	1.00	43.2059	10.4
...	42°183	-25°464	-2	...	...	...	35°905	-23°393	-2	...	...	...	29°973	-29°557	0.70	44.2094	10.4
...	42°130	+50°934	-3	...	...	...	35°764	-43°040	-3	...	...	...	29°689	-42°275	0.65	44.2096	10.4
...	42°130	+50°934	-3	...	...	...	35°764	-43°040	-3	...	...	...	29°689	-57°121	-3	...	...
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
...	-42°047	-53°304	-3	...	...	*	-35°588	-43°787	1.10	44.2081	10.2	...	-29°657	-26°896	-2	...	...
...	41°832	+33°724	-2	...	...	*	35°509	+8°468	1.05	43.2046	10.0	...	29°586	+22°392	-3	...	...
...	41°783	-18°318	-2	...	...	...	35°444	-2°700	-2	...	...	...	29°528	-24°729	0.80	44.2098	10.2
*	41°747	-52°897	1.50	44.2072	9.6	...	35°342	-50°372	1.20	44.2082	10.0	*	29°486	-38°577	1.35	44.2097	9.1
†	41°593	-44°479	0.85	44.2074	10.2	*	35°307	+19°303	1.00	43.2047	10.2	...	29°341	-10°172	-2	...	...
...	-41°533	-56°645	-2	44.2073	10.4	*	-35°168	+6°703	1.20	43.2048	10.0	...	-29°327	-10°268	-2	...	...
...	41°338	+19°204	-3	...	...	*	35°119	+59°327	1.15	42.1922	9.7	*	29°101	-59°212	1.50	44.2099	9.2
...	41°188	+16°753	-3	...	...	...	35°029	+16°842	0.90	43.2049	10.4	†	28°963	+30°307	0.65	43.2060	10.4
...	41°100	-6°394	-1	44.2075	10.4	†	34°916	+17°688	0.70	...	...	...	28°937	+31°991	-3	...	...
...	41°072	+52°564	-3	...	...	...	34°820	-24°936	-1	...	...	...	28°752	+1°196	-3	A	...
151	...	...	...	...	...	211	...	...	...	...	...	271	...	...	...	...	...
...	-40°916	-14°208	-2	...	...	...	-34°171	-36°497	-2	...	...	...	-28°741	-31°346	-3	...	...
...	40°869	+50°001	0.80	43.2034	10.4	N	34°162	+10°139	-2	...	...	...	28°411	+39°817	0.70	43.2061	10.4
...	40°862	-25°526	0.70	...	...	*	33°779	+13°090	1.05	43.1050	10.0	...	28°168	+21°782	0.80	43.2062	10.2
...	40°793	+10°530	-2	...	...	...	33°712	+13°417	-2	...	...	...	28°083	-2°653	-3	...	...
...	40°739	+6°450	-1	...	...	...	33°593	+2°658	-3	...	...	...	27°905	-22°906	1.80	44.2100	8.8
†	-40°241	-9°705	-2	...	...	...	-33°583	-13°604	0.85	44.2085	10.4	*	-27°561	-31°954	-3	...	...
...	40°193	+31°324	0.85	43.2036	10.4	...	33°506	-25°236	0.90	44.2084	10.2	...	27°548	+7°341	0.70	43.2063	10.4
*	40°122	+28°411	2.80	43.2035	8.6	S*	33°473	-45°203	3.30	44.2083	7.8	*	27°402	+24°823	1.00	43.2064	10.2
*	40°108	+57°918	2.75	42.1916	8.5	...	33°461	-0°067	-2	α	...	...	27°387	+57°011	-3	...	...
†	39°784	+58°580	1.35	42.1917	9.2	...	33°396	-35°308	0.70	...	...	...	27°201	+46°461	0.70	43.2065	10.4
161	...	...	...	...	...	221	...	...	...	...	...	281	...	...	...	...	...
†	-39°693	+30°274	-1	...	...	*	-33°164	+50°530	1.20	43.2052	9.8	...	-27°155	+27°820	-3	...	...
...	39°498	+28°821	0.80	43.2037	10.4	*	32°988	+12°604	1.10	43.2051	9.9	...	27°093	-10°308	-3	...	...
...	39°434	-54°866	0.70	44.2076	10.4	...	32°869	-4°256	-3	...	...	...	27°042	+32°721	-3	...	...
...	39°403	-45°925	-3	...	...	...	32°840	+23°552	0.90	43.2053	10.4	...	27°028	-1°860	-3	...	...
*	39°311	+39°210	1.30	43.2039	9.6	*	32°806	-46°829	1.10	44.2086	9.7	...	26°995	-37°382	-3	...	...
...	-39°201	+17°905	-2	...	...	*	-32°769	-22°818	2.50	44.2087	8.0	...	-26°982	-31°822	-3	...	...
...	39°199	-37°791	-2	...	...	...	32°760	-14°977	-3	...	...	*	26°916	-15°945	1.10	44.2102	9.7
...	39°060	-38°554	-3	...	...	...	32°755	-21°171	-3	...	...	...	26°818	+23°370	-2	...	...
...	39°035	+18°408	0.80	43.2038	10.4	...	32°646	+52°804	-3	...	...	*	26°770	+27°477	2.80	43.2066	7.8
...	38°989	-29°107	-3	...	...	...	32°630	-0°660	0.65	...	...	...	26°750	-8°027	-3	...	...
171	...	...	...	...	...	231	...	...	...	...	...	291	...	...	...	...	...
...	-38°943	+39°092	0.90	43.2041	10.2	...	-32°218	+19°293	0.70	...	...	...	-26°619	+3°929	0.70	43.2067	10.4
*	38°794	+16°670	1.10	43.2040	9.9	*	32°127	-1°928	1.00	43.2054	10.4	...	26°589	+14°449	0.70	...	...
†	38°781	+35°246	-3	...	...	...	32°103	+25°879	0.85	43.2055	10.4	...	26°338	+5°950	-1	...	...
*	38°627	+39°043	1.10	43.2042	9.8	...	31°970	+23°416	0.90	43.2056	10.4	...	26°249	+19°564	0.70	43.2068	10.4
*	38°434	-41°061	1.10	44.2077	10.2	*	31°926	-12°604	1.00	44.2089	10.2	*	26°153	+35°396	1.10	43.2069	9.8
...	-38°379	+5°659	-2	...	...	*	-31°888	-38°086	1.25	44.2088	9.4	...	-26°118	+16°203	-3	...	...
...	38°281	-17°077	-3	...	...	...	31°859	-27°492	-1	...	...	...	26°063	+0°530	-3	...	...
*	38°119	-12°707	1.60	44.2078	9.0	...	31°847	+25°779	-2	...	...	...	25°997	-50°227	-3	...	...
...	37°942	+31°505	-3	...	...	...	31°643	+43°279	-2	...	...	...	25°935	+49°800	-1	...	...
*	37°805	-33°346	1.25	44.2079	9.8	...	31°611	+3°444	0.70	...	...	*	25°847	-24°485	1.00	44.2103	10.1

126, 128. C.P.D., mass.

212. Brighter of double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		z.	No.		Mag.	x.		y.	z.		No.	Mag.		x.	y.	z.	No.	Mag.
301-360						361-420						421-480						
301	-25.658	+ 4.880	- 1	43.2070	10.4	361	-18.233	+46.568	1.20	43.2081	9.4	421	-11.854	-42.668	0.65	...	...
...	25.444	+29.240	- 1	43.2071	10.4	...	18.172	-40.441	- 3	...	...	...	11.764	+45.058	0.70	...	...
...	25.360	-23.719	- 3	...	...	...	18.160	-22.302	0.80	44.2112	10.4	...	11.738	+35.676	0.70	...	...
...	25.275	-21.142	0.65	44.2104	10.4	...	18.077	-19.865	- 3	...	...	...	11.647	- 0.945	- 3	A	...
...	25.117	-13.015	- 2	...	...	...	17.932	+13.266	- 3	...	...	...	11.536	+20.643	0.70	...	...
...	-25.090	-48.391	- 3	...	...	...	-17.487	+24.893	- 3	...	...	...	* 11.513	- 6.450	1.35	44.2130	9.1
α	24.823	- 0.015	0.80	43.2072	10.4	S*	17.472	-57.248	2.80	44.2114	8.0	...	11.385	+ 5.579	0.85	43.2095	10.2	
...	24.805	+18.669	- 2	...	...	...	17.337	-39.305	1.20	44.2115	9.8	...	11.313	+16.672	- 3	...	...
...	24.797	+54.345	- 2	...	...	...	17.165	+13.623	1.00	43.2082	10.4	...	11.235	+13.871	0.65	...	...
...	24.752	-15.113	- 3	...	...	...	17.128	- 7.827	0.65	...	...	...	* 11.208	+36.548	1.35	43.2096	9.2
311	-24.717	-44.978	- 3	...	...	371	-17.002	-41.517	1.00	...	...	431	* 11.125	-10.074	1.00	44.2131	10.4
...	24.654	-36.104	- 1	...	...	...	16.990	-41.706	- 1	44.2116	10.0	...	* 10.904	+48.508	1.15	43.2097	9.9
*	24.372	+42.538	1.00	43.2073	10.0	...	16.924	+ 2.853	0.65	...	...	...	10.783	-25.137	- 1	...	...
...	24.284	+26.994	- 3	...	...	...	16.863	-27.706	0.70	44.2117	10.2	...	* 10.593	-13.756	1.20	44.2133	9.9
...	24.268	+28.857	- 3	...	...	...	16.558	-33.741	1.00	44.2118	10.2	+	10.555	+30.290	1.00	43.2095	10.0
...	-24.202	+52.213	- 2	43.2074	10.4	...	-16.435	-24.350	0.85	44.2119	10.4	+	10.551	- 4.494	- 1	...	...
...	24.000	+17.483	- 3	...	...	...	16.367	+11.034	- 3	...	...	...	10.524	-10.123	- 1	44.2132	10.4
*	23.958	-31.663	1.20	44.2105	9.8	...	16.324	- 0.077	1.00	43.2083	10.4	*	10.470	+60.059	1.20	42.1963	9.6	
*	23.850	-10.958	1.00	44.2106	9.7	...	16.209	+23.813	- 3	A	...	...	10.293	-44.446	- 3	...	...
...	23.768	-11.512	- 1	...	...	...	16.131	+30.907	0.85	43.2084	10.4	+	10.044	-29.432	2.20	44.2134	8.6
321	-23.731	-23.220	- 3	...	...	381	-16.088	+44.557	1.35	43.2085	9.1	441	† 10.007	-42.276	- 2	...	...
...	23.651	+47.227	- 3	...	...	...	15.982	+35.336	- 3	...	...	†	9.972	+18.725	0.80	43.2099	10.1
...	23.520	-45.319	- 1	...	...	...	15.837	-44.364	- 2	...	...	...	9.789	+ 0.832	0.90	43.2100	10.1
*	23.297	-16.340	1.10	44.2107	9.8	...	15.833	-23.571	0.90	44.2122	10.4	...	9.631	-31.785	- 1	...	...
S*	23.281	+ 0.882	1.70	43.2075	9.1	...	15.789	+40.803	- 3	...	...	...	9.608	+56.205	1.80	42.1966	9.2
...	-23.222	+18.850	- 3	...	...	...	-15.760	+38.588	- 2	...	...	...	9.545	- 3.278	- 2	...	...
...	23.098	+42.937	0.75	43.2076	10.4	...	15.758	-45.121	1.05	44.2121	10.2	*	9.517	-52.425	1.50	44.2135	8.8	
...	22.710	-51.806	- 3	...	...	...	15.746	+52.385	1.20	43.2086	9.8	*	9.207	-32.697	1.20	44.2136	9.6
...	22.502	-28.191	- 1	...	...	...	15.603	-10.345	0.90	44.2124	10.2	...	8.985	-33.432	- 3	...	...
...	22.467	+52.311	- 3	...	...	...	15.573	+45.871	- 3	...	...	...	8.825	+ 6.542	- 2	...	...
331	-22.453	-45.778	- 1	391	-15.565	+50.027	1.20	43.2088	9.8	451	...	8.725	-25.766	0.70	44.2137	10.2
...	22.319	-36.579	- 2	15.555	- 8.503	1.00	44.2123	10.2	8.592	-38.204	- 3
...	22.186	-54.194	0.70	44.2108	10.4	...	15.545	+44.198	- 1	43.2087	10.4	8.477	+28.266	- 2
*	22.109	-25.259	1.00	44.2109	10.0	...	15.430	+53.147	- 3	...	...	S*	8.317	-23.243	3.45	44.2138	7.3
...	22.013	+19.777	- 3	...	...	...	15.234	-16.083	- 3	...	...	...	8.140	+ 2.370	- 2	...	...
...	-21.911	-11.424	- 3	-14.999	+42.661	0.70	43.2089	10.4	8.022	+ 4.904	- 3	A	...
...	21.894	- 8.132	- 2	14.766	-19.302	3.00	44.2125	7.9	8.012	-28.700	- 3
...	21.841	- 0.304	0.80	43.2077	10.4	...	14.087	+15.479	0.75	7.989	+ 8.578	- 3
...	21.528	+41.998	0.90	43.2078	10.4	...	14.015	+45.667	- 3	7.888	-17.316	- 3
...	21.054	+56.183	0.75	42.1946	10.2	...	13.821	-26.707	- 1	44.2126	10.4	7.803	+ 6.067	- 2
341	-20.917	-40.947	- 1	401	-13.816	+ 0.426	- 1	461	...	7.772	-49.087	0.80	44.2139	10.4
...	20.771	-16.433	- 3	13.771	+50.644	0.65	43.2090	10.4	7.771	+ 5.528	- 1
...	20.503	-38.361	- 3	...	...	*	13.649	-45.431	1.30	44.2127	9.8	*	7.705	+13.010	1.05	43.2101	10.0
...	20.431	+45.532	0.90	43.2079	10.1	...	13.585	+38.365	0.70	...	...	...	7.601	-31.254	0.80	44.2140	10.4
...	20.313	-22.463	- 3	...	...	...	13.584	+20.792	0.75	43.2091	10.4	...	7.453	- 9.057	- 3	...	...
*	-20.190	+40.983	1.00	43.2080	10.0	...	-13.407	+37.340	0.80	...	...	...	7.400	-38.589	0.65	44.2141	10.4
†	19.881	-28.608	0.80	44.2110	10.4	...	13.384	-54.795	1.20	44.2128	9.6	...	7.313	-50.494	- 3	...	...
...	19.793	-13.746	0.80	...	...	...	13.369	-37.220	- 2	...	...	...	7.241	-56.494	- 3	...	...
...	19.744	-48.186	- 2	...	...	...	13.363	+24.812	- 3	...	...	...	7.134	+45.603	0.90	43.2102	10.2
...	19.665	+ 3.063	- 3	...	...	...	13.260	-54.730	- 3	...	...	...	6.810	+ 8.515	- 3	...	...
351	-19.241	-34.179	- 3	411	-13.214	-23.389	- 3	471	...	6.589	+51.821	- 3
...	19.212	+33.374	- 2	12.936	-28.875	- 3	6.535	+ 0.699	- 2
...	19.198	+25.873	- 3	*	12.919	+28.308	1.10	43.2092	9.9	6.422	+17.478	- 3
...	18.926	+55.310	- 3	12.893	-25.938	- 1	6.305	- 1.177	- 3	A	...
...	18.924	-14.448	- 2	12.687	+30.121	- 3	6.103	-15.487	- 2	m	...
...	-18.845	+30.398	- 3	-12.486	+51.073	- 2	5.991	+30.949	0.80	43.2103	10.2
...	18.674	-16.007	- 2	12.481	- 2.188	- 3	5.704	-31.595	- 2
*	18.558	-35.087	1.10	44.2111	9.8	...	12.348	+48.343	1.15	43.2093	9.9	*	5.648	-59.750	1.80	42.1975	9.0	
...	18.426	+28.128	- 2	...	...	...	12.085	-34.347	1.20	44.2129	9.8	...	5.401	- 7.370	0.70	44.2143	10.4
...	18.338	+ 2.684	- 1	...	...	...	12.071	+10.803	1.10	43.2094	9.9	...	5.320	-27.136	- 2	...	...

Notes	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
481-540						541-600						601-660					
481	- 5.197	- 46.675	- 3	m	...	541	+ 0.435	+ 30.310	0.80	43.2116	10.2	601	+ 7.500	+ 20.919	- 3	...	...
...	5.120	+ 36.635	1.10	43.2104	9.6	...	0.531	+ 29.219	- 3	...	...	...	7.502	- 41.552	1.25	44.2168	9.6
*	5.075	+ 55.560	- 1	43.2105	10.4	...	0.663	+ 56.843	- 3	...	...	...	7.520	- 37.937	- 2	...	...
†	4.861	- 32.187	0.70	44.2144	10.4	...	0.713	- 19.954	- 2	m	...	...	7.554	- 0.910	- 1	b	...
...	4.647	+ 1.732	- 3	Am	...	...	0.804	- 34.601	0.70	44.2158	10.4	...	7.555	+ 59.519	- 1	...	...
...	- 4.373	+ 52.505	- 3	...	...	*	+ 0.978	+ 46.549	1.00	43.2117	10.2	...	* 7.985	- 47.384	1.00	44.2169	10.1
...	4.369	- 19.725	- 1	44.2146	10.4	...	0.985	+ 59.316	0.75	42.1995	10.4	...	* 8.127	+ 50.068	1.10	43.2133	9.8
...	* 4.318	- 17.958	1.00	44.2145	10.2	...	1.185	+ 15.698	1.40	43.2118	9.7	...	8.140	+ 52.020	0.90	43.2132	10.1
...	4.316	+ 20.819	- 2	...	...	...	1.258	- 59.385	0.80	44.2159	10.2	...	* 8.256	+ 19.491	1.00	43.2135	10.1
...	4.208	+ 18.433	- 2	...	...	...	1.395	- 57.342	- 2	...	...	...	* 8.294	+ 49.698	1.00	43.2134	9.7
491	- 4.133	- 23.438	- 3	m	...	551	+ 1.469	+ 57.580	- 3	...	...	611	+ 8.534	- 25.786	0.80	44.2171	10.2
...	* 4.104	+ 57.444	1.15	42.1981	9.6	...	1.643	+ 22.987	- 1	...	...	...	8.628	- 11.009	- 3	d	...
...	4.076	+ 22.121	- 2	...	...	...	1.679	- 52.283	- 3	m	...	...	* 8.656	- 7.138	1.00	44.2170	10.0
...	4.071	+ 48.562	- 2	...	...	...	1.680	+ 9.165	- 2	...	...	...	8.693	- 35.893	- 2	b	...
...	3.969	+ 18.493	- 3	Am	...	...	1.763	- 28.264	- 3	m	...	...	8.718	- 23.624	0.65	...	...
...	- 3.787	+ 12.146	- 2	...	...	...	+ 1.881	- 16.739	0.70	m	...	...	+ 8.740	- 15.965	- 3	d	...
...	3.361	+ 1.255	- 3	Bm	...	...	2.050	+ 2.270	- 2	...	...	...	* 8.800	- 16.334	1.00	44.2172	10.0
...	3.329	+ 11.352	- 3	Am	...	*	2.080	+ 23.948	1.00	43.2119	10.2	...	8.879	- 21.612	- 1	b	...
...	* 3.265	- 49.807	1.20	44.2147	9.6	...	2.142	- 31.299	1.30	44.2160	9.6	...	8.899	+ 5.159	- 3	a	...
...	3.250	+ 10.778	- 2	m	...	...	2.252	- 10.196	- 3	m	...	...	8.936	+ 8.924	- 3	a	...
501	- 3.189	- 2.899	- 3	m	...	561	+ 2.276	+ 55.677	- 2	...	...	621	+ 8.970	+ 36.500	0.70	43.2136	10.2
...	3.075	+ 49.320	0.90	43.2106	9.9	...	2.354	- 36.626	1.20	44.2161	9.4	...	9.013	+ 52.143	0.90	43.2137	10.2
*	3.025	+ 1.083	1.50	43.2107	9.4	...	2.380	+ 45.430	0.70	43.2120	10.4	...	9.051	- 2.278	- 3	m	...
m	2.902	- 3.226	- 2	43.2108	10.4	...	2.516	+ 14.564	0.80	43.2121	10.2	...	9.390	+ 4.031	- 3	a	...
...	2.779	+ 10.776	- 2	...	...	...	2.565	- 21.207	- 1	m	...	...	9.412	- 49.841	- 2	...	...
...	- 2.608	- 39.434	- 3	m	...	*	+ 2.588	+ 6.846	2.50	43.2122	8.4	...	+ 9.445	- 35.058	0.90	44.2174	10.4
...	2.552	+ 26.466	- 3	...	...	...	2.887	+ 30.421	- 3	Bm	...	...	9.546	- 55.650	- 3	a	...
...	2.482	- 16.658	0.90	44.2148	10.4	...	2.904	+ 37.621	0.70	...	...	...	* 9.650	+ 49.740	1.00	43.2138	9.8
...	2.478	- 21.545	- 3	m	...	...	2.904	+ 21.232	- 3	...	...	...	9.663	- 7.543	0.75	44.2173	10.4
...	2.442	- 9.804	- 3	Am	...	...	3.211	+ 57.379	- 3	...	...	...	9.795	+ 6.648	- 2	a	...
511	- 2.329	- 44.416	1.10	44.2149	9.7	571	+ 3.597	+ 42.044	- 3	m	...	631	+ 9.797	- 45.447	- 3	d	...
...	2.314	- 0.833	- 3	m	...	...	3.612	- 1.306	- 3	m	...	...	† 9.998	+ 18.863	- 1	43.2139	10.4
...	2.306	+ 11.228	- 3	Bm	...	*	3.621	+ 41.598	1.20	43.2123	9.7	...	† 10.012	- 24.697	- 1	44.2175	10.4
*	2.206	+ 34.554	1.15	43.2109	9.9	...	3.765	+ 6.025	- 2	...	...	...	10.065	+ 34.979	- 3	a	...
...	2.094	+ 27.601	- 3	Bm	...	...	3.779	- 38.639	- 3	m	...	...	10.114	- 33.495	- 1	...	...
*	- 2.043	- 55.046	1.25	44.2150	9.4	...	+ 3.854	- 40.729	- 3	m	...	...	+ 10.298	- 53.509	- 3	a	...
...	1.989	- 41.623	- 2	m	...	...	4.107	- 28.750	- 2	m	...	...	10.361	+ 17.163	- 3	...	...
N*	1.802	+ 56.993	2.00	42.1989	8.8	†	4.324	- 34.553	- 1	...	...	...	10.657	+ 49.681	- 3	...	...
...	1.654	- 2.713	- 1	43.2111	10.4	...	4.374	- 38.518	- 3	m	...	...	11.138	- 0.314	- 2	b	...
...	1.621	- 18.632	0.80	44.2151	10.4	†	4.573	+ 45.226	0.65	43.2124	10.4	...	11.440	- 51.914	- 3	a	...
521	- 1.507	- 3.987	- 2	m	...	581	+ 4.592	+ 56.400	0.85	42.2002	10.2	641	+ 11.488	+ 30.809	0.85	43.2140	10.2
...	1.413	+ 43.999	- 2	...	...	...	4.951	+ 21.246	0.70	43.2125	10.4	...	* 11.490	- 6.141	1.00	44.2176	10.0
...	1.375	+ 49.531	0.80	43.2110	10.4	†	4.969	+ 26.046	- 3	m	...	...	11.530	+ 26.950	- 3	...	...
...	1.308	+ 23.655	0.70	43.2112	10.4	...	5.098	+ 47.807	- 3	...	...	...	* 11.660	- 43.705	1.60	44.2177	9.1
*	1.177	- 3.588	1.00	43.2113	10.2	...	5.352	- 13.501	0.70	44.2163	10.4	...	* 11.673	+ 52.028	1.20	43.2141	10.0
...	- 1.163	+ 24.258	- 1	43.2114	10.4	...	+ 5.622	- 36.978	0.70	44.2164	10.4	...	+ 11.713	+ 1.025	- 2	...	...
...	1.161	- 50.599	- 3	m	...	...	5.787	+ 21.390	0.65	...	...	...	11.759	+ 33.471	- 2	...	...
*	0.796	- 8.759	1.10	44.2152	9.8	...	5.953	+ 8.058	- 2	...	...	...	* 11.881	- 3.634	1.00	43.2142	10.1
*	0.779	- 21.319	1.10	44.2153	9.7	...	6.020	- 2.580	0.70	43.2128	10.4	...	* 11.979	+ 2.801	2.30	43.2143	8.2
...	0.654	- 57.419	0.65	44.2154	10.4	...	6.041	- 33.102	- 1	44.2165	10.4	...	11.980	+ 38.295	- 1	...	...
531	- 0.619	+ 32.846	- 3	...	...	591	+ 6.089	+ 50.542	1.10	43.2126	9.7	651	+ 12.046	+ 53.849	- 3	...	...
S*	0.468	+ 47.922	2.20	43.2115	8.4	...	6.151	+ 51.676	0.90	43.2127	10.2	...	12.083	+ 20.646	0.90	43.2144	10.4
*	0.288	- 45.000	1.00	44.2156	9.9	...	6.423	+ 26.937	- 2	...	...	...	12.095	+ 59.994	0.95	42.2018	10.2
...	0.253	- 3.425	- 3	m	...	...	6.688	+ 5.045	- 3	a	...	...	12.180	- 31.660	0.70	44.2178	10.4
*	0.203	- 40.567	1.10	44.2157	9.7	*	6.709	+ 10.173	1.00	43.2130	10.2	...	12.255	+ 50.341	- 2	...	...
†	0.047	- 44.192	- 1	...	...	*	+ 6.847	+ 41.483	1.30	43.2129	9.3	...	+ 12.288	+ 14.437	- 3	...	...
...	+ 0.164	+ 31.035	- 3	m	...	...	6.862	- 36.724	- 3	b	...	...	* 12.316	+ 24.474	1.30	43.2146	9.2
...	0.270	+ 43.558	- 1	...	...	...	7.123	+ 55.666	- 1	...	...	...	* 12.371	+ 23.095	1.00	43.2145	10.1
...	0.346	+ 23.344	- 3	m	...	*	7.283	+ 31.867	1.00	43.2131	10.0	...	12.637	- 34.071	- 3	a	...
...	0.365	- 21.547	- 3	m	...	...	7.370	+ 33.757	- 3	...	...	...	* 12.779	+ 18.947	1.70	43.2147	8.8

518. Mass. 43° 48, mass; 43° 49, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
661-720						721-780						781-840							
661	+12·859	-7·891	-2	b	...	721	+19·156	+21·469	-2	a	...	781	+28·131	-4·835	-3	...	...
*	13·032	+46·154	1·00	43.2148	9·7	...	19·230	+29·979	-3	...	...	...	28·173	+16·253	-3	...	...
...	13·048	+28·446	-3	...	...	...	19·470	-33·961	-1	...	...	...	*	28·306	-57·333	1·30	42.2057	9·4	
...	13·079	+2·762	-3	a	...	...	19·508	+52·225	-2	...	...	...	*	28·386	-38·373	1·30	44.2202	9·0	
...	13·195	+48·937	-3	...	...	...	19·558	-28·871	0·70	44.2192	10·4	...	...	28·416	+16·741	-1	...	...
...	+13·275	+39·885	-2	...	...	*	+19·727	-42·621	1·10	44.2194	9·9	...	...	+28·480	-34·672	-3	b	...	
...	13·327	+5·759	-2	...	...	*	19·781	-37·456	1·00	44.2193	10·2	...	...	*	28·517	-41·655	1·10	44.2204	9·8
...	13·476	+9·762	-3	a	...	...	20·612	+50·569	0·65	43.2155	10·4	...	...	...	28·547	+28·668	-3	...	...
...	13·495	-0·317	-1	b	...	...	20·877	-19·979	-3	m	...	...	...	...	28·635	+15·536	-2	...	...
...	13·726	+24·606	-2	...	...	...	20·928	+36·798	-2	43.2156	10·4	...	...	N	28·740	-13·457	-2	...	...
671	+13·797	+25·958	-3	...	...	731	+21·262	+5·818	0·70	43.2158	10·2	791	+28·748	-13·362	-1	...	44.2203	10·4	
...	13·815	-17·639	0·70	a	...	...	21·378	+28·941	0·85	43.2157	10·4	N	28·830	+21·778	1·10	43.2173	9·8	...	
...	13·931	+1·660	-3	a	...	...	21·671	+25·005	0·80	43.2159	10·2	...	28·871	-55·220	-3	...	...	...
*	14·038	+38·141	1·00	43.2149	10·0	...	21·700	+22·284	-3	...	...	...	28·880	+12·861	-2	...	...	...
...	14·231	-2·798	-3	m	...	S *	21·808	-2·600	2·30	43.2161	8·0	...	28·978	-1·332	-3	m	...	...
...	+14·239	-11·497	0·65	44.2179	10·4	...	+21·850	-33·664	0·65	...	...	...	+29·022	+55·385	-3	43.2174	10·4	...	
...	14·297	+46·778	-3	...	...	...	21·940	-53·295	-1	...	...	...	29·049	-55·035	-3	...	...	...
...	14·458	-37·892	-3	...	...	...	21·998	+48·441	-2	43.2160	10·4	*	29·142	-54·047	1·20	43.2175	9·8	...	
*	14·509	+25·401	1·05	43.2150	9·2	...	22·157	+29·327	-2	...	...	...	29·226	+14·940	0·70	43.2176	10·4	...	
...	14·612	-7·029	0·70	44.2180	10·4	...	22·166	-6·825	0·80	44.2195	10·4	...	29·264	-9·830	0·90	44.2205	10·4	...	
681	+14·636	+55·741	-3	...	...	741	+22·193	+49·055	0·70	43.2162	10·4	801	+29·266	+13·013	-3	a	...	...
...	14·679	+58·008	-1	42.2025	10·4	S *	22·333	+3·618	2·20	43.2163	8·0	...	29·541	-25·913	-3	m	...	...
...	14·770	+45·413	0·90	43.2151	10·2	...	22·636	+16·515	0·65	...	...	...	29·614	-16·037	-3	a	...	...
...	14·847	-17·823	-1	...	...	*	22·679	+14·216	1·10	43.2164	10·2	†	29·658	+15·212	-3	...	...	...
...	15·086	-30·490	0·70	44.2181	10·4	...	22·783	-30·313	-3	b	...	...	29·669	-43·257	-3	...	...	...
...	+15·115	+46·015	-3	...	...	...	+23·402	+42·819	-1	43.2165	10·4	*	+29·733	-36·742	1·00	44.2207	10·2	...	
...	15·174	-8·253	0·70	44.2182	10·4	...	23·448	-21·047	-3	m	...	...	* †	29·826	-27·869	1·00	44.2208	9·9	...
...	15·317	+14·737	-1	...	...	...	23·545	+52·267	-3	...	...	...	†	29·885	-31·768	1·50	43.2177	8·9	...
...	15·382	-31·054	0·80	44.2184	10·4	*	23·550	+19·003	1·10	43.2166	10·2	...	...	30·031	-19·957	-2	...	...	...
...	15·402	-26·869	0·95	44.2183	10·0	...	23·552	+19·954	-3	...	...	...	...	30·094	+8·155	-3	...	...	...
691	+15·413	-44·394	-3	...	...	751	+23·556	+21·674	-1	...	...	811	+30·197	-32·732	1·05	44.2209	10·0	...	
...	15·803	-28·152	-3	b	...	...	24·004	-3·041	-3	m	...	...	*	30·389	-25·677	-3	...	...	...
...	15·877	+24·775	0·70	...	...	...	24·030	+47·455	-3	...	...	...	*	30·604	-5·385	1·15	44.2210	9·6	...
*	16·177	-7·476	1·10	44.2185	9·9	...	24·445	-29·551	-3	a	...	...	...	30·703	-57·045	-3	...	...	...
...	16·272	+54·081	0·70	...	...	...	24·774	+48·179	1·30	43.2167	9·1	...	...	30·730	-46·671	-2	...	...	...
...	+16·500	-18·135	-2	b	...	†	+24·906	+6·202	1·20	43.2168	9·2	†	+31·044	-9·703	-3	m	...	...	...
...	16·603	-46·154	-3	...	...	†	24·907	-20·627	1·20	44.2197	9·3	...	...	31·254	-47·677	0·85	44.2211	10·4	...
...	16·636	+55·386	-3	...	...	†	24·971	-5·397	-3	m	...	...	...	31·358	-33·140	-2	...	...	...
...	16·783	-19·816	0·70	44.2187	10·4	...	25·032	-8·447	-3	m	...	...	...	31·719	-8·226	-1	43.2179	10·0	...
...	16·834	+32·648	-3	...	...	*	25·098	-36·550	1·00	44.2199	9·8	...	...	31·811	+46·678	-3	...	...	...
701	+16·879	+50·120	0·80	43.2152	10·4	761	+25·127	-36·593	-3	m	...	821	+31·909	-45·022	0·85	44.2212	10·4	...	
...	16·890	-55·769	0·80	44.2188	10·2	...	25·119	+41·150	-3	...	...	...	*	31·937	+23·956	1·50	43.2180	9·0	...
...	17·110	-41·075	-3	a	...	*	25·181	-14·479	1·25	44.2198	9·6	...	...	31·938	-3·596	-3	...	...	...
*	17·219	+14·516	1·00	43.2153	10·4	...	25·501	+46·991	0·90	43.2169	10·2	...	...	32·078	-36·064	-1	43.2178	10·4	...
...	17·817	+37·565	-2	...	...	...	25·507	+53·082	-3	...	...	...	...	32·086	-36·619	-2	...	...	...
...	+17·860	+49·053	-3	...	...	...	+25·608	+1·423	-1	...	...	...	...	+32·374	+45·530	-2	...	...	...
...	17·861	+34·377	-3	...	...	...	25·616	-13·133	-3	m	...	...	...	32·624	+27·622	0·65	43.2181	10·4	...
...	17·875	-52·777	-3	...	...	*	25·713	+10·528	1·15	43.2170	9·7	...	...	32·764	+28·049	0·65	43.2182	10·4	...
...	18·175	-28·913	-2	b	...	...	26·001	-47·325	0·85	44.2200	10·4	...	...	32·826	-38·699	0·70	44.2213	10·2	...
...	18·255	-13·473	0·80	44.2189	10·1	...	26·261	+17·049	-3	...	...	...	...	32·840	+37·248	-3	...	...	...
711	+18·449	+33·390	-2	...	...	771	+26·448	-34·260	-4	m	...	831	+32·935	-39·390	0·00	44.2214	10·2	...	
...	18·549	-9·579	-3	m	...	...	26·599	-13·904	-1	...	...	...	...	32·975	+9·810	-2	...	...	...
†	18·566	+5·318	-3	...	...	S *	26·650	-53·158	3·30	44.2201	7·5	†	32·080	-40·270	0·80	43.2183	10·4	...	
*	18·591	-7·886	1·20	44.2190	9·3	...	26·660	+43·524	-2	...	...	*	32·900	-20·872	1·10	44.2215	10·0	...	
...	18·709	-4·321	-3	m	...	...	27·099	+16·436	0·75	43.2171	10·2	...	...	33·101	-30·686	-3	a	...	...
...	+18·749	+50·607	0·80	43.2154	10·4	...	+27·145	-39·348	-3	...	...	...	...	+33·132	-16·204	-3	...	...	...
...	18·988	-39·932	-1	...	...	...	27·275	-49·045	-3	...	...	...	...	33·210	+27·979	-3	b	...	...
...	19·040	+15·514	-2	...	...	*	27·387	+10·620	1·20	43.2172	9·6	...	...	33·313	+33·032	-2	...	...	...
...	19·059	-38·377	-3	m	...	...	27·530	-35·620	-3	...	...	...	...	33·458	-41·080	-2	...	...	...
...	19·103	-35·900	0·70	44.2191	10·4	...	27·936	+19·413	-2	...	...	...	...	33·613	-8·107	-3	m	...	...

790, 791. 45° 49. mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-z.	No.		Mag.	x.		y.	-z.		No.	Mag.		x.	y.	-z.	No.	Mag.
841-900						901-960						961-1020					
841	...	...	...	...	...	901	...	...	...	...	...	961	...	...	...	...	...
...	+33·628	+56·680	-2	...	...	...	+38·399	-20·279	-2	...	...	...	+44·448	-32·215	-2	...	...
...	33·711	-42·281	-3	<i>a</i>	...	...	38·436	+23·410	-3	...	...	...	44·508	+30·643	-1	43.2213	10·4
...	33·714	-23·654	-3	<i>m</i>	...	...	38·496	+35·479	-3	...	...	...	44·515	+15·352	-2	...	...
†	33·805	+50·269	0·70	...	...	*	38·628	-45·900	1·50	44.2228	8·9	...	44·562	+29·033	-3	...	...
...	33·836	-56·121	-1	44.2216	10·4	*	38·639	-39·845	1·90	44.2227	9·0	...	44·659	+32·458	-1	...	...
...	+33·910	-58·561	-3	...	...	...	+38·811	-18·594	-3	<i>m</i>	...	...	+44·721	-10·068	-3	<i>m</i>	...
*	33·954	-58·322	1·40	44.2217	9·4	...	38·922	-20·542	-3	<i>m</i>	...	†	44·776	-23·443	0·90	44.2239	10·4
...	33·964	+0·928	-3	...	...	*	39·103	+22·884	1·20	43.2201	9·7	†	44·869	-46·734	0·80	44.2240	10·4
...	33·973	+13·555	0·70	43.2185	10·4	*	39·165	+50·390	1·20	43.2200	9·6	†	44·905	+19·165	0·70	43.2214	10·2
...	34·048	+52·595	0·85	43·2184	10·4	*	39·190	-16·524	1·00	44.2229	10·2	...	45·066	+8·852	-1	...	...
851	...	...	...	...	...	911	...	...	...	...	...	971	...	...	...	...	...
...	+34·139	+33·286	-4	...	...	...	+39·469	+27·648	-3	...	...	...	+45·284	+7·790	-2	...	...
...	34·327	+7·674	0·70	43.2187	10·2	...	39·775	-1·552	-3	<i>m</i>	...	...	45·295	-4·000	-3	<i>m</i>	...
...	34·650	+48·736	0·90	43.2186	10·2	†	39·921	-27·797	0·80	44.2231	10·2	...	45·367	+10·094	-1	...	...
+	34·936	+12·621	1·10	43.2188	9·9	...	39·942	+28·053	-3	...	...	...	45·394	-8·037	-2	<i>d</i>	...
+	35·032	-14·296	0·90	44.2218	10·2	...	39·951	+4·613	-3	...	...	*	45·425	+21·003	1·00	43.2215	9·8
...	+35·044	-54·924	-3	...	...	...	+40·053	+1·966	-2	...	...	...	+45·489	-34·307	-3	<i>b</i>	...
...	35·128	+16·039	-2	...	...	*	40·118	-6·230	1·20	44.2230	9·6	...	45·581	+3·349	0·90	43.2218	10·4
...	35·163	-46·166	-3	...	...	...	40·200	+51·100	-3	...	...	...	45·635	-22·473	-1	...	...
...	35·174	+35·341	-1	...	...	...	40·520	+32·843	-3	...	...	...	45·785	-31·536	-3	...	...
...	35·232	+1·503	-3	...	...	...	40·599	+20·379	-1	...	...	...	45·853	+20·695	0·70	43.2217	10·4
861	...	...	...	...	...	921	...	...	...	...	...	981	...	...	...	...	...
...	+35·400	+46·823	-3	...	...	*	+40·680	-2·418	1·25	43.2204	9·7	*	+45·986	+29·335	1·00	43.2216	9·9
...	35·401	-59·007	-3	<i>b</i>	...	...	40·719	+45·482	-2	43.2202	10·4	...	46·021	-42·740	0·70	...	...
...	35·408	+2·402	-2	...	...	...	40·725	-19·418	-1	...	...	*	46·093	-51·727	3·15	44.2241	7·6
...	35·487	+41·389	0·70	43·2189	10·4	...	40·735	-54·293	0·90	44.2233	10·2	...	46·140	-41·684	0·70	...	...
...	35·900	+46·736	0·80	43.2190	10·2	*	40·765	+28·383	1·10	43.2203	10·0	...	46·108	-41·138	-1	...	...
*	+36·103	+44·898	1·10	43.2192	9·7	...	+41·056	+29·248	-2	...	...	...	+46·199	+45·780	-3	...	...
*	36·169	+7·768	1·35	43.2194	9·3	...	41·174	-0·035	-1	<i>β</i>	...	...	46·250	+23·952	-3	...	...
...	36·208	+44·196	-3	...	...	*	41·299	-19·153	1·40	44.2232	9·0	...	46·288	-40·835	-2	...	...
...	36·222	+21·646	-3	...	...	*	41·538	-27·920	1·15	44.2234	9·8	...	46·391	+28·330	-2	...	...
*	36·246	+41·190	2·50	43.2191	8·3	...	41·549	+31·277	-3	...	...	*	46·463	+39·842	1·00	43.2219	10·2
871	...	...	...	...	...	931	...	...	...	...	...	991	...	...	...	...	...
...	+36·307	+45·297	-3	...	...	...	+41·660	+29·282	-2	...	...	...	+46·728	-5·992	-3	<i>m</i>	...
...	36·309	+7·140	0·70	43.2195	10·2	...	41·752	+37·123	-3	...	...	...	46·868	+25·622	-2	...	...
...	36·410	-8·319	0·70	44.2219	10·4	...	42·021	-46·511	0·90	44.2235	10·2	...	47·040	-14·999	0·90	44.2243	10·4
...	36·412	+7·254	-3	...	...	...	42·060	-19·787	-3	<i>m</i>	...	...	47·052	+19·277	-1	...	...
...	36·416	-38·756	0·80	44.2221	10·4	...	42·292	+25·360	-3	...	...	...	47·309	-37·264	-3	<i>b</i>	...
*	+36·472	+51·906	1·20	43.2193	9·2	*	+42·349	+14·327	1·20	43.2207	9·6	...	+47·378	-14·425	0·80	44.2244	10·4
...	36·477	-17·494	0·80	44.2220	10·4	...	42·451	+18·705	0·70	...	...	...	47·654	-51·390	-3	...	...
*	36·563	-34·995	1·20	44.2222	9·6	...	42·509	-48·595	-3	...	...	...	47·672	-2·999	-2	<i>d</i>	...
*	36·749	-58·830	3·40	44.2224	7·0	*	42·640	+47·166	1·10	43.2206	9·8	...	47·693	+13·275	-3	...	...
*	36·844	-40·276	1·10	44.2223	10·2	...	42·645	+54·850	-2	43.2205	10·4	...	47·807	+32·974	-3	...	...
881	...	...	...	...	...	941	...	...	...	...	...	1001	...	...	...	...	...
†	+36·913	+15·236	-1	...	...	...	+42·678	+58·348	-1	42.2082	10·2	...	+48·142	-3·237	-2	<i>d</i>	...
...	37·003	-9·005	-2	<i>b</i>	...	...	42·880	-18·827	-3	<i>m</i>	...	...	48·344	+48·136	-1	...	...
...	37·008	+58·751	-3	...	...	...	42·940	-41·366	-3	...	...	...	48·390	+43·261	-3	...	...
...	37·011	-30·103	-3	<i>b</i>	...	...	42·953	+7·179	-2	...	...	...	48·461	-16·195	0·90	44.2245	10·4
*	37·190	+28·609	2·30	43.2196	8·1	*	42·974	-17·171	1·15	44.2236	9·8	*	48·568	+56·643	1·40	42.2095	9·6
...	+37·324	-21·179	-2	<i>b</i>	...	...	+43·017	-26·251	-3	...	...	...	+48·738	-25·000	1·00	44.2246	10·2
...	37·362	-0·361	-3	<i>m</i>	...	*	43·024	+32·480	1·20	43.2208	9·6	†	48·752	-29·561	-3	<i>m</i>	...
...	37·504	+45·974	0·70	...	...	...	43·024	-50·579	0·70	44.2237	10·4	...	48·875	+47·725	-2	...	...
...	37·537	-2·722	-3	<i>b</i>	...	*	43·046	-53·088	1·10	44.2238	10·0	...	48·897	-30·329	-3	<i>e</i>	...
...	37·757	+41·905	0·80	43.2197	10·4	*	43·141	+10·907	1·40	43.2210	9·1	...	48·998	-17·608	-1	<i>e</i>	...
891	...	...	...	...	...	951	...	...	...	...	...	1011	...	...	...	...	...
*	+38·051	-0·669	1·00	43.2199	10·2	...	+43·161	-5·792	-1	<i>a</i>	...	*	+49·083	+32·432	1·00	43.2220	10·2
...	38·093	+41·550	0·70	...	...	...	43·380	-7·668	-2	<i>b</i>	...	...	49·375	+21·943	-2	...	...
...	38·107	+33·104	0·75	...	...	...	43·390	+35·940	-2	...	...	...	49·409	+52·369	0·90	43.2221	10·2
*	38·111	+23·601	2·00	43.2198	8·6	...	43·475	-9·416	-1	<i>a</i>	...	*	49·474	-41·231	1·15	44.2248	10·2
...	38·184	+59·183	0·80	42.2075	9·9	...	43·700	+17·953	0·75	...	...	†	49·831	-54·098	1·10	44.2251	9·8
...	+38·191	-28·604	-2	...	...	*	+43·703	+59·850	1·40	42.2083	9·4	†	+49·836	-35·527	0·70	44.2249	10·4
...	38·247	-49·020	0·80	44.2226	10·4	*	43·740	+53·893	1·20	43.2209	10·0	†	49·872	-8·612	-3	<i>e</i>	...
...	38·296	-36·567	-3	...	...	...	43·748	-28·905	0·70	...	...	...	50·108	+48·191	-3	...	...
*	38·333	-31·159	1·05	44.2225	10·2	*	43·760	+49·796	1·20	43.2211	9·9	*	50·136	-22·887	1·00	44.2250	10·2
...	38·389	+5·192	-1	...	...	...	44·293	+43·612	0·85	43.2212	10·4	...	50·140	+7·497	0·95	43.2222	10·1

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1021-1060						1061-1100						1101-1112						
1021	+50.161	-1.452	1.00	43.2223	10.0	1061	+53.560	-37.408	2.20	44.2262	8.4	1101	+58.255	-15.764	-2	...	...
...	50.169	-3.653	-3	m	...	...	53.618	-8.553	-2	e	...	...	58.280	+56.152	1.25	42.2114	9.8	
...	50.278	+55.851	0.90	42.2099	10.1	...	53.686	-20.003	-3	m	...	...	58.429	-9.430	0.90	44.2275	10.0	
...	50.450	-15.998	-3	m	...	...	53.742	-25.478	0.65	...	...	...	58.550	-18.025	0.70	44.2276	10.4	
...	50.581	-34.068	1.00	44.2252	10.0	...	53.746	+56.795	-3	...	...	...	58.709	+14.152	0.80	43.2244	10.4	
...	+50.588	-34.521	1.70	44.2253	9.0	...	+53.821	+34.527	0.70	43.2230	10.2	...	+58.742	-15.387	0.80	43.2243	10.4	
...	50.656	-38.386	0.80	44.2254	10.4	...	53.889	+48.653	0.80	43.2228	10.4	...	58.771	+31.195	0.75	43.2242	10.2	
...	50.690	-20.737	-3	e	...	...	54.034	+46.400	1.40	43.2231	9.7	S*	58.830	-8.993	2.45	44.2277	8.1	
...	50.692	+50.035	-3	...	...	...	54.118	+12.605	0.80	43.2232	10.4	...	59.060	-36.754	-2	44.2278	10.4	
...	50.777	+56.357	-2	42.2100	10.2	...	54.232	+46.324	-3	...	...	...	59.179	-16.469	-3	...	...
1031	+50.847	-9.948	-3	m	...	1071	+54.311	+8.192	0.90	43.2233	10.2	...	+59.419	+17.204	0.65	...	...
...	50.918	-18.723	0.70	...	...	...	54.443	+26.425	-3	...	...	...	†	59.760	+23.718	-3	e	...
...	51.008	-7.910	-3	m	...	...	54.519	+26.123	0.70	...	...	...	...	...	...	...	...	...
...	51.227	+33.597	-3	...	...	...	54.748	-56.682	1.20	44.2264	9.9	...	...	...	...	...	...	...
...	51.249	-32.098	-2	...	...	...	54.838	+9.454	-3	...	...	...	...	...	...	...	...	...
...	+51.309	+24.411	-3	...	...	...	+55.123	-34.911	0.80	44.2263	10.4	...	...	...	...	...	...	...
...	51.374	+6.422	1.00	43.2225	10.0	...	55.138	-2.006	1.30	43.2234	9.7	...	...	...	...	...	...	...
...	51.406	-32.769	0.65	...	...	...	55.409	-44.324	-1	44.2267	10.4	...	...	...	...	...	...	...
S*	51.648	+38.353	1.90	43.2224	9.0	...	55.426	+29.085	-3	...	...	...	...	...	...	...	...	...
...	51.784	-23.869	1.20	44.2255	9.7	...	55.635	+13.714	-3	...	...	...	...	...	...	...	...	...
1041	+51.789	-45.385	1.20	44.2256	9.8	1081	+55.676	+4.862	1.20	43.2235	10.1	...	...	...	...	...	...	...
...	51.798	+11.230	1.90	43.2226	8.9	...	55.785	-16.107	-2	44.2265	10.4	...	...	...	...	...	...	...
S*	51.820	-46.359	2.95	44.2257	8.1	...	55.940	-3.823	-3	e	...	...	...	...	...	...	...	...
...	51.870	-31.702	0.65	...	...	...	55.954	-15.770	0.80	44.2266	10.2	...	...	...	...	...	...	...
...	51.963	-28.195	-3	m	...	...	56.262	-50.967	2.20	44.2270	9.0	...	...	...	...	...	...	...
...	+51.979	-35.317	-3	b	...	...	+56.414	-14.571	1.10	44.2268	9.7	...	...	...	...	...	...	...
...	51.984	-3.405	-3	m	...	...	56.437	+1.417	1.40	43.2237	8.8	...	...	...	...	...	...	...
...	52.242	-17.904	-3	m	...	...	56.491	+37.154	0.70	43.2236	10.4	...	...	...	...	...	...	...
...	52.418	-46.667	1.45	44.2260	9.7	...	56.574	+6.138	0.75	43.2238	10.4	...	...	...	...	...	...	...
...	52.499	+11.742	-1	...	...	...	56.744	+38.975	-3	...	...	...	...	...	...	...	...	...
1051	+52.543	+37.728	-2	...	...	1091	+56.786	-43.015	1.30	44.2271	9.9	...	...	...	...	...	...	...
...	52.568	-31.844	-2	b	...	...	56.829	+21.617	-3	...	...	...	...	...	...	...	...	...
...	52.581	-22.694	-3	m	...	...	57.116	-3.923	2.20	43.2241	8.0	...	...	...	...	...	...	...
...	52.610	-36.671	-2	...	...	...	57.204	+30.646	-1	43.2239	10.4	...	...	...	...	...	...	...
...	52.686	-6.007	1.20	44.2259	9.7	...	57.491	-23.486	0.70	44.2273	10.2	...	...	...	...	...	...	...
...	+52.777	-52.925	1.20	44.2261	10.0	...	+57.493	-23.285	0.80	44.2272	10.2	...	...	...	...	...	...	...
...	52.845	+15.208	-1	43.2227	10.4	...	57.635	+2.955	-3	...	...	...	...	...	...	...	...	...
...	53.027	-3.778	1.20	43.2229	9.8	...	57.725	-3.791	-2	e	...	...	...	...	...	...	...	...
...	53.345	-16.762	-3	e	...	...	57.793	-35.385	1.25	44.2274	9.8	...	...	...	...	...	...	...
...	53.375	+36.609	0.70	...	...	...	57.857	+38.112	0.70	43.2240	10.4	...	...	...	...	...	...	...

1-10						11-20						21-30						
I	x.	y.	Diam.	No.	Mag.	II	x.	y.	Diam.	No.	Mag.	2I	x.	y.	Diam.	No.	Mag.	
...	-59.340	+55.711	0.75	42.2099	10.1	...	-57.452	-19.166	-3	B	...	...	-56.455	-11.160	1.90	43.2226	8.9	
...	59.218	+21.790	-2	...	...	S*	57.427	+38.256	1.95	43.2224	9.0	...	...	56.438	-18.804	0.70	...	...
...	58.968	-16.346	0.80	44.2245	10.4	...	57.367	+24.314	-3	...	...	...	...	56.319	-34.148	1.00	44.2252	10.0
...	58.840	+56.224	-1	42.2100	10.2	...	57.219	-41.350	1.00	44.2248	10.2	...	...	56.285	-34.600	2.00	44.2253	9.0
...	58.439	-25.138	0.90	44.2246	10.2	...	57.100	-22.990	0.90	44.2250	10.2	...	...	56.105	-38.472	0.70	44.2254	10.4
...	-58.402	-17.753	-3	E	...	...	-57.026	-35.627	0.70	44.2249	10.4	...	...	-55.883	-56.756	-2	...	...
...	58.121	-30.468	-3	E	...	...	56.748	+6.344	1.00	43.2225	10.0	...	...	55.785	+11.686	-2	...	...
...	58.015	+7.388	0.90	43.2222	10.1	...	56.604	-20.829	-3	E	...	...	...	55.703	-32.100	-2	...	...
...	57.803	-8.729	-3	E	...	...	56.532	+37.660	-3	...	...	...	...	55.607	+30.573	-1	...	...
...	57.733	-1.570	1.00	43.2223	10.0	...	56.465	-54.191	1.20	44.2251	9.8	...	...	55.540	-15.161	0.65	43.2227	10.4

B measured from 1, 178, 345, 557, 768, 982.
 S " " 93, 270, 457, 670, 892, 1075.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-55°538	-32°825	-1	...	...	91	-49°738	-23°163	0·80	44·2272	10·2	151	-42°781	-55°833	-1	44·2286	10·2
...	55°522	+48°624	0·70	43·2228	10·4	†	49°732	-23°362	0·75	44·2273	10·2	...	42°610	+56°991	0·90	42·2130	9·9
*	55°414	-23°927	1·10	44·2255	9·7	†	49°663	+15°520	-1	43·2243	10·4	...	42°529	+51°860	-3	...	...
*	55°309	+46°378	1·15	43·2231	9·7	†	49°654	+14°277	0·70	43·2244	10·4	...	42°318	+28°182	-3	...	...
...	55°203	+59°274	-3	...	...	...	49°210	-9°293	0·90	44·2275	10·0	...	42°204	+58°325	-3	...	...
...	-55°166	+34°509	0·70	43·2230	10·2	*	-49°158	+53°527	1·80	43·2245	9·3	...	-42°170	+7°527	-2	...	...
...	55°117	-28°237	-3	A	...	*	49°073	-35°252	1·25	44·2274	9·8	...	42°122	+10°368	0·70	...	...
...	55°090	-31°742	-2	...	...	...	49°044	+17°358	-2	...	...	...	41°993	+35°837	-1	...	...
...	55°087	+46°300	-3	...	...	...	48°890	+23°879	-3	E	...	...	41°762	+10°346	-2	...	...
*	55°062	-6°037	1·10	44·2259	9·7	...	48°849	-17°878	0·70	44·2276	10·4	*	41°553	+27°212	1·25	43·2259	9·8
41						101						161					
†	-54°786	-3°797	1·10	43·2229	9·8	S*	-48°821	-8°839	2·48	44·2277	8·1	...	-41°492	+12°079	-3	...	...
†	54°773	-45°431	1·10	44·2256	9·8	...	48°699	+52°230	0·90	43·2246	10·2	...	41°477	+34°103	-2	...	...
†	54°691	-46°401	2·90	44·2257	8·1	...	48°265	-16°303	-3	...	...	...	41°464	+54°065	-1	43·2260	10·2
†	54°280	+26°434	-3	...	...	...	48°159	+42°219	-3	...	...	...	41°406	-36°172	-3	...	...
...	54°202	+26°131	0·70	...	...	...	48°079	+51°553	0·65	43·2249	10·4	...	41°390	-26°842	-3	...	...
...	-54°201	-36°689	-2	...	...	...	-48°013	+40°501	0·65	43·2248	10·4	...	-41°363	+42°635	-3	...	...
...	54°200	+12°606	0·90	43·2232	10·4	*	47°872	-3°139	1·25	43·2247	9·7	...	41°176	+26°186	-3	...	...
...	54°097	-16°765	-3	E	...	...	47°760	-36°585	-1	44·2278	10·4	*	40°826	-19°179	1·00	44·2287	9·8
*	54°096	-46°682	1·40	44·2260	9·7	...	47°528	+51°025	-3	...	...	...	40°744	-17°421	-3	...	...
...	54°057	-8°557	-2	E	...	*	47°249	-27°282	3·00	44·2279	7·9	*	40°713	-17°615	1·60	44·2288	9·2
51						111						171					
*	-53°867	+8°207	1·00	43·2233	10·2	...	-47°237	+53°557	-3	...	...	...	-40°665	+19°342	-2	...	...
*	53°545	-52°943	1·10	44·2261	10·0	...	47°215	+16°829	0·65	43·2250	10·4	*	40°628	+51°908	1·05	43·2261	10·0
...	53°415	-25°475	-1	...	...	*	46°980	+39°144	1·35	43·2251	9·6	...	40°249	-49°516	-3	...	...
...	53°390	+29°111	0·65	...	...	...	46°891	+55°252	0·80	43·2252	10·2	...	40°158	-51°672	-3	...	...
...	53°389	+9°476	-2	...	...	...	46°767	-30°252	-3	B	...	...	40°122	-40°391	-3	A	...
...	-53°243	+3°546	-3	A	...	...	-46°589	+4°310	0·80	...	...	...	-40°071	+41°685	0·95	43·2263	10·0
*	53°223	-37°401	2·40	44·2262	8·4	...	46°402	+27°625	0·90	43·2254	10·0	†	40°026	+10°111	5·50	43·2262	6·5
...	53°101	+43°456	-4	...	...	...	46°372	+23°251	0·90	43·2253	10·2	†	39°687	-24°269	0·70	44·2289	10·2
*	52°732	-1°979	1·20	43·2234	9·7	...	46°358	-2°329	-3	B	...	...	39°651	+7°573	0·70	43·2264	10·2
...	52°712	+13°754	-3	...	...	...	46°343	-37°872	0·90	44·2280	10·1	†	39°379	-44°849	-1	...	...
61						121						181					
...	-52°570	+37°210	0·85	43·2236	10·4	*	-46°302	-25°630	1·30	44·2282	9·6	...	-39°155	+0°784	0·65	...	...
†	52°409	+4°903	1·00	43·2235	10·1	...	46°265	-32°302	-1	...	...	...	39°131	-16°051	0·70	...	...
...	52°357	+39°029	-2	...	...	...	46°197	-44°213	-2	44·2281	10·4	...	39°116	+22°486	-2	...	...
...	51°877	-3°759	-3	E	...	...	46°135	-25°313	-3	...	...	...	39°102	+51°687	-2	...	...
...	51°762	+21°686	-3	...	...	*	46°022	-35°976	1·00	44·2283	10·2	...	39°056	+10°188	-3	A	...
†	-51°743	-34°860	0·80	44·2263	10·4	*	-45°690	-56°502	1·15	44·2284	10·0	...	-38°809	-23°375	-2	...	...
...	51°655	-16°042	0·75	44·2265	10·4	*	45°618	+14°613	1·35	43·2255	9·5	...	38°717	-41°226	-1	...	...
...	51°654	+30°727	0·85	43·2239	10·4	...	45°481	-22°923	-3	...	...	...	38°379	+14°623	-3	A	...
...	51°628	-13°458	-3	D	...	...	45°455	+8°291	-1	...	...	*	38°138	-32°875	1·00	44·2290	10·2
...	51°591	-9°731	-3	B	...	...	45°436	+30°773	-2	...	...	*	37°992	-35°684	1·20	44·2291	9·6
71						131						191					
...	-51°540	+6°214	0·70	43·2238	10·4	...	-45°370	+17°285	-2	...	...	...	-37°982	-9°031	-3	B	...
*	51°526	+1°489	2·20	43·2237	8·8	...	45°319	-2°085	0·70	...	...	...	37°969	+25°189	-3	...	...
...	51°509	+9°657	-3	A	...	...	45°275	-20°622	-2	...	...	...	37°963	+17°413	-2	...	...
*	51°503	-15°700	1·00	44·2266	10·2	...	45°259	-42°646	-1	...	...	*	37°893	+45°815	2·80	43·2265	7·7
...	51°474	-26°277	-3	B	...	...	45°193	+39°013	-2	...	...	...	37°814	-46°877	-3	...	...
*	-51°458	-56°635	1·15	44·2264	9·9	*	-45°183	-52°310	1·10	44·2285	9·9	...	-37°802	-34°578	-2	...	...
*	51°350	+56°245	1·20	42·2114	9·8	*	45°022	+0°097	1·20	43·2256	9·7	...	37°515	-3°679	0·85	43·2266	10·2
...	51°235	+38°204	0·70	43·2240	10·4	...	44°465	+28°276	0·70	...	...	...	37°382	+50°139	0·70	...	...
...	51°185	-44°253	0·65	44·2267	10·4	...	44°384	+11°837	-2	...	...	*	37°352	-8°392	1·10	44·2293	9·6
*	51°081	-14°496	1·10	44·2268	9·7	...	43°976	-53°283	-3	...	...	*	37°342	+34°666	2·70	43·2267	8·0
81						141						201					
*	-50°678	-3°825	2·90	43·2241	8·0	...	-43°686	+12°643	-2	...	...	...	-37°318	-34°555	-1	...	...
...	50°577	+4°312	-3	A	...	...	43°686	+2°180	-3	A	...	...	37°265	+37°069	-2	...	...
...	50°397	+3°067	-1	...	...	...	43°620	-41°288	-3	...	...	...	37°256	-47°971	-2	...	...
...	50°244	+12°291	-3	...	...	*	43°374	+53°600	1·90	43·2257	9·4	...	37°240	+19°489	-3	A	...
...	50°161	+15°886	-2	...	...	...	43°247	+39°241	-1	...	...	†	37°176	+9°957	0·70	...	...
*	-50°131	-50°869	2·00	44·2270	9·0	...	-43°224	+6°851	-1	...	...	...	-37°171	+27°194	-2	...	...
*	50°102	+31°323	1·00	43·2242	10·2	...	43°163	-16°718	-3	A	...	...	36°675	+57°168	-3	...	...
...	50°101	-3°676	-3	E	...	...	42°964	-9°771	-3	D	...	...	36°611	+24°494	-3	...	...
...	49°979	+42°750	-3	...	...	...	42°858	+9°084	-2	...	...	...	36°603	+38°933	-3	...	...
†	49°831	-42°899	1·10	44·2271	9·9	...	42°803	+42°978	0·95	43·2258	10·0	...	36°544	+14°376	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
211-270						271-330						331-390						
211	...	...	...	...	...	271	...	...	...	...	...	331	...	...	...	...	...
...	-36.476	-19.711	0.80	...	...	...	-29.728	-40.490	-3	...	...	...	-21.506	-52.025	2.20	44.2317	8.5	
*	36.440	-6.859	1.10	44.2295	9.7	...	29.528	+28.237	-3	...	...	...	21.177	-12.815	0.75	44.2318	10.2	
...	36.390	+44.602	0.85	43.2268	10.2	...	29.517	+25.459	-3	...	...	...	20.959	-32.367	0.70	...	...
...	36.236	+51.062	0.70	...	...	...	29.448	-40.735	-3	...	...	...	20.921	-48.401	-3	...	...
...	36.078	+0.624	0.65	...	...	...	29.293	+38.770	-4	...	...	...	*	20.894	-27.609	1.40	44.2319	9.3
...	-36.077	-41.409	-3	...	...	...	-29.253	-46.304	-3	...	...	...	...	-20.772	-11.758	0.60	44.2320	10.0
...	35.986	-12.267	-3	B	...	...	29.250	-44.180	-2	...	...	...	...	20.753	+2.277	-3	...	...
...	35.854	+8.718	-1	...	...	...	29.224	-28.643	-3	...	...	...	...	20.661	-14.592	-1	...	...
...	35.853	-13.314	-3	B	...	...	29.127	+56.933	-3	...	...	...	...	20.588	-57.661	-2	44.2321	10.2
*	35.677	-49.088	1.15	44.2297	9.8	...	28.743	-31.127	-3	...	...	...	...	20.501	+10.899	0.80	43.2290	10.0
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	-35.579	-11.627	-3	B	...	...	-28.720	-13.565	0.70	44.2306	10.2	...	-20.315	-28.237	-3	...	...
*	35.426	+35.588	1.00	43.2270	9.8	...	27.748	-15.822	0.75	44.2307	10.2	...	*	20.142	-9.058	1.20	44.2322	9.6
*	35.225	-3.186	2.90	43.2269	8.0	...	27.687	+55.166	1.10	43.2279	9.9	...	...	20.099	+18.580	-3	...	...
...	35.094	-6.721	0.75	44.2299	10.2	...	27.654	+26.498	-2	...	...	...	...	19.970	+22.893	-3	...	...
...	35.038	-51.321	-3	...	...	...	27.437	+55.353	0.90	43.2282	10.0	...	...	19.620	-21.595	-2	...	...
*	-35.036	-35.700	1.25	44.2298	9.2	...	-27.425	-15.795	-3	B	...	...	...	-18.899	-32.922	-3	A	...
...	34.920	-1.540	0.80	43.2271	10.2	...	27.398	+29.691	1.15	43.2280	9.8	...	*	18.861	-4.894	1.15	44.2323	9.6
†	34.814	+26.286	0.70	43.2272	10.2	...	27.353	+9.298	0.65	...	...	...	...	18.722	-51.119	-3	...	...
...	34.555	+27.696	0.80	43.2273	10.2	...	27.292	+40.859	1.00	43.2281	9.7	...	...	18.653	-33.871	-3	A	...
...	34.553	-20.086	-2	B	...	...	27.291	-8.200	1.10	44.2308	9.8	...	...	18.620	-32.468	0.80	44.2324	10.2
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	-34.378	-25.942	0.70	...	...	...	-26.932	-30.905	1.10	44.2309	9.8	...	...	-18.575	+18.403	-3	A	...
...	34.377	-34.765	0.70	...	...	...	26.868	+18.533	-3	...	...	...	...	18.536	-50.924	-3	B	...
...	34.234	+31.068	0.70	...	...	...	26.778	-12.765	-2	...	...	...	*	18.517	-19.129	1.05	44.2325	9.8
...	33.993	+30.788	-3	A	...	...	26.708	+27.629	-2	...	...	...	...	18.474	-55.385	-3	...	...
...	33.299	+16.865	-2	...	...	...	26.705	+42.978	-1	...	...	...	*	18.445	+29.762	1.00	43.2291	9.7
*	-33.262	+14.479	1.60	43.2274	9.2	...	-26.679	-46.374	1.10	44.2310	9.9	...	†	-18.343	+54.888	-2	...	...
...	33.158	-28.092	0.70	...	...	...	26.652	-19.804	0.80	44.2311	10.2	...	...	18.301	+13.585	-1	...	...
...	33.145	+17.666	0.80	...	...	...	26.176	-41.232	-3	A	...	...	...	18.267	-34.068	0.70	44.2326	10.2
...	33.089	+20.210	-1	...	...	...	26.093	-37.823	-3	B	...	...	...	18.066	+1.333	-3	...	...
...	33.046	-1.205	0.70	...	...	...	25.925	-55.879	-3	...	...	...	*	18.050	-21.372	1.00	44.2327	9.8
241	...	...	...	...	...	301	...	...	...	...	...	361	...	...	...	...	...
*	-33.040	+5.594	1.00	43.2275	10.2	...	-25.826	+58.488	0.65	42.2169	10.2	...	...	-17.942	+7.192	-3	...	...
...	33.035	-11.481	0.65	...	...	...	25.769	-24.004	-3	B	...	...	...	17.854	-5.767	0.65	...	...
...	33.008	-28.911	0.65	...	...	...	25.605	+16.290	-2	...	...	...	...	17.744	-16.043	-2	...	...
*	32.992	+19.065	1.10	43.2276	9.8	...	25.375	+39.493	-2	...	...	...	...	17.706	-17.825	-3	...	...
...	32.974	+34.440	0.65	...	...	...	25.064	-53.266	1.05	44.2312	10.0	...	...	17.072	+58.472	-3	...	...
*	-32.752	-36.114	1.40	44.2300	9.1	...	-25.059	+2.406	1.30	43.2283	9.6	...	...	-17.057	-51.362	-2	...	...
...	32.745	-8.576	-3	B	...	...	25.028	+52.471	0.75	43.2284	10.2	...	*	17.055	+15.774	1.90	43.2292	9.0
*	32.692	+44.543	1.00	43.2277	10.0	...	24.800	-1.260	1.50	43.2285	8.9	...	...	16.996	+12.759	1.55	43.2293	9.2
...	32.640	-29.298	-1	B	...	...	24.773	-21.582	-3	...	...	...	...	16.908	+2.788	-3	A	...
...	32.465	-5.091	0.70	...	...	...	24.651	-58.672	-1	44.2313	10.2	...	...	16.839	-11.371	0.95	44.2328	10.0
251	...	...	...	...	...	311	...	...	...	...	...	371	...	...	...	...	...
...	-32.398	-52.940	0.85	44.2301	10.2	...	-24.339	+58.127	-2	42.2171	10.4	...	...	-16.821	-8.426	-3	B	...
...	32.351	+0.130	-3	a	...	...	24.291	+28.006	-2	...	...	...	...	16.499	-59.846	-2	...	...
...	32.009	+51.255	-3	...	...	...	23.800	+28.363	-3	...	...	...	...	16.396	-10.930	-3	...	...
...	31.816	-9.537	0.70	...	...	...	23.745	+32.278	-3	...	...	...	S *	16.372	+3.499	2.75	43.2294	8.3
...	31.794	-30.920	-4	M	...	...	23.547	-40.878	-3	...	...	...	...	16.303	-40.740	-2	...	...
...	-31.616	-32.634	-3	B	...	...	-23.496	+34.494	0.70	43.2286	10.2	...	...	-16.120	-18.430	-2	...	...
...	31.549	-57.055	-2	...	...	...	23.386	+10.085	-3	...	...	...	*	16.119	-28.256	1.05	44.2329	9.8
...	31.229	+22.533	0.80	43.2278	10.2	...	23.146	+45.666	0.65	43.2287	10.2	...	...	15.870	-38.391	0.90	44.2330	10.2
*	31.199	-19.253	1.90	44.2302	8.8	...	23.137	-29.756	1.00	44.2314	9.9	...	...	15.835	-2.528	-2	...	...
...	31.069	+25.741	-1	...	...	...	23.044	-39.703	0.70	44.2315	10.2	...	...	15.829	+30.915	-2	...	...
261	...	...	...	...	...	321	...	...	...	...	...	381	...	...	...	...	...
...	-31.045	-23.088	-3	D	...	...	-22.809	-50.101	-3	...	...	...	...	-15.804	-24.688	-3	B	...
*	30.860	-57.698	1.15	44.2303	9.6	...	22.673	+56.124	1.80	42.2180	8.8	...	...	15.784	-15.655	-2	...	...
...	30.443	+5.745	-1	...	...	...	22.629	-4.719	-3	B	...	...	...	15.773	-10.389	-2	...	...
...	30.277	-34.759	0.80	44.2304	10.0	...	22.537	-35.654	0.80	44.2316	10.2	...	...	15.754	+53.522	-4	...	...
...	30.155	+37.627	-3	...	...	...	22.288	+59.576	-3	...	...	...	...	15.664	-50.630	1.10	43.2295	9.9
*	-30.108	-42.577	1.00	44.2305	9.8	...	-22.207	-49.625	0.70	...	...	...	*	-15.642	+58.579	1.00	42.2191	10.0
...	30.102	+11.800	-3	...	...	...	21.834	+3.728	-1	...	...	...	...	15.612	+2.235	0.65	...	...
...	29.975	+49.006	-3	...	...	...	21.808	+28.233	1.10	43.2288	9.8	...	...	15.513	-48.296	0.65	...	...
...	29.889	+4.043	-3	...	...	...	21.739	-9.811	-3	B	...	...	...	15.473	+29.773	-3	...	...
†	29.751	-42.056	-3	...	...	...	21.664	+20.597	0.85	43.2289	10.2	...	*	15.425	+31.215	1.00	43.2296	9.2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
39I	-15.414	+31.166	1.00	43.2296	9.2	45I	-10.517	-49.471	-2	...	...	51I	-4.481	-4.796	-3	Db	...
*	15.375	-52.455	1.90	44.2331	9.0	...	10.496	-52.260	0.70	...	...	*	4.055	+44.251	1.15	43.2320	9.8
*	15.253	-36.598	2.00	44.2332	8.9	*	10.280	-47.626	1.00	44.2339	10.2	...	4.000	+35.667	0.90	43.2321	10.0
...	15.246	+26.847	-1	...	...	...	10.251	+3.617	-3	A	...	...	3.916	+47.355	-3	...	...
...	15.203	+36.695	-3	...	...	...	10.095	+7.909	-3	A	...	...	3.906	-58.027	-3	...	...
*	-15.043	+48.514	1.00	43.2297	10.0	†	-9.877	+23.440	0.80	43.2308	10.2	...	-3.604	-6.095	0.70	44.2349	10.2
...	14.979	-42.860	-3	...	...	...	9.678	-1.788	-2	B	...	...	3.575	-34.326	-3	...	...
...	14.940	+36.742	0.70	43.2298	10.2	...	9.661	+16.061	-2	...	...	...	3.498	-59.282	-3	...	...
...	14.918	-24.698	-3	C	...	...	9.608	+48.455	-2	...	...	...	3.462	-54.617	-3	m	...
†	14.817	-46.827	-3	A	...	...	9.584	+37.977	-3	...	...	...	3.337	-26.062	-3	Bm	...
40I	-14.575	+50.841	-3	...	...	46I	-9.584	-28.470	-3	...	...	52I	-3.266	+38.129	-3	...	...
...	14.513	+13.248	-3	...	...	*	9.566	+9.623	1.05	43.2309	9.8	†	3.217	+59.720	1.05	42.2218	9.8
...	14.438	-26.196	0.65	44.2333	10.2	...	9.504	+5.945	-3	...	...	...	3.215	+2.232	-3	Am	...
...	14.249	+33.500	-3	A	...	*	9.350	-33.022	1.00	44.2340	10.0	...	2.671	-36.839	-3	Bm	...
...	14.244	-8.259	-1	...	...	†	9.247	+14.940	-2	...	...	...	2.618	-41.330	0.70	...	...
...	-14.221	+32.758	-2	...	...	...	-9.102	-37.031	-1	...	...	Ff†	-2.428	+0.029	1.00	43.2322	9.8
F*	13.946	+0.218	1.00	43.2299	10.0	...	9.020	+19.567	-2	...	...	...	2.411	+33.261	-2	...	...
...	13.887	-55.045	-2	...	...	*	8.218	-51.252	1.20	44.2341	9.7	...	2.288	-51.805	-2	m	...
...	13.868	-47.072	-1	...	...	...	8.201	-37.082	-2	...	...	...	2.120	+58.213	-2	...	...
Sn*	13.754	+53.946	3.00	43.2300	7.6	†	8.089	+19.847	1.00	43.2310	9.8	...	1.947	+7.631	-3	Am	...
41I	-13.740	-49.112	-3	B	...	47I	-7.860	+39.881	-1	43.2311	10.2	53I	-1.879	+1.413	1.20	43.2323	9.7
...	13.648	+14.473	-3	...	...	...	7.666	-47.167	-3	...	...	...	1.822	-46.752	-3	...	...
...	13.629	+17.199	-3	A	...	*	7.662	-50.798	1.10	44.2342	9.8	...	1.818	-36.855	0.70	44.2351	10.2
*	13.615	-9.782	1.55	44.2334	9.0	...	7.649	+59.679	0.65	42.2204	10.4	...	1.568	-46.879	-3	m	...
n	13.580	+54.129	0.80	43.2300	7.6	...	7.599	+39.234	0.65	...	...	*	1.557	-50.480	1.15	44.2353	9.8
...	-13.492	-14.113	-3	...	...	...	-7.594	-31.899	0.70	...	...	*	-1.538	-45.281	1.20	44.2354	9.7
...	13.459	+43.801	0.80	43.2301	10.2	*	7.531	+46.725	1.20	43.2312	9.6	*	1.474	-9.342	1.20	44.2352	9.8
...	13.341	+41.427	-1	...	...	...	7.488	+27.096	-1	...	...	*	1.340	-50.098	1.10	44.2355	9.8
...	13.232	-9.074	-3	B	...	S*	7.393	-45.606	2.45	44.2343	8.4	...	1.197	+38.804	0.90	43.2324	10.0
...	13.078	-42.574	-1	...	...	...	7.350	-9.543	-3	A	...	...	1.165	-25.121	-2	...	...
42I	-13.001	+43.769	-3	...	...	48I	-7.348	+16.047	0.65	43.2313	10.2	54I	-1.121	+28.915	0.70	...	...
...	12.978	+7.618	0.70	43.2302	10.2	...	7.200	+32.554	-3	...	...	...	1.038	+23.813	0.90	43.2325	9.8
...	12.937	-27.008	-3	B	...	*	7.180	-53.182	1.05	44.2344	9.8	...	0.884	-59.161	0.70	44.2356	10.2
...	12.799	+11.022	-2	...	...	...	6.979	+59.222	-2	42.2207	10.4	...	0.862	+47.577	-3	...	...
*	12.764	+8.099	1.00	43.2303	10.0	*	6.884	-5.484	1.40	44.2345	9.0	...	0.810	-40.254	0.65	...	...
*	-12.690	-14.842	1.00	44.2335	9.9	...	-6.855	-30.704	0.70	44.2346	10.2	...	-0.691	-15.708	0.75	44.2357	10.2
...	12.630	+53.108	-3	...	...	*	6.805	+18.529	1.10	43.2314	9.8	...	0.659	-32.722	0.85	44.2358	9.9
...	12.627	-21.186	0.80	44.2336	10.2	...	6.693	+33.520	-1	...	...	...	0.626	+51.393	0.65	...	...
...	12.482	-35.569	0.65	...	...	*	6.684	-2.423	1.60	43.2315	9.2	...	0.588	-9.908	-3	Dd	...
...	12.313	-2.771	-2	A	...	*	6.586	+12.088	1.15	43.2316	9.7	*	0.477	-31.829	1.50	44.2359	9.2
43I	-12.221	-16.590	0.65	44.2337	10.2	49I	-6.535	+15.039	-2	...	...	55I	-0.423	-6.458	-3	Dd	...
...	12.163	+6.382	-3	A	...	...	6.374	+20.893	-3	...	...	...	0.300	-15.826	0.70	44.2360	10.2
...	12.098	+29.747	0.85	43.2304	10.2	...	6.226	+13.270	-3	A	...	...	0.245	-23.868	-3	...	...
...	12.074	+1.369	-1	...	...	...	6.214	+20.193	-3	...	...	...	0.234	+29.160	-3	...	...
...	11.902	-52.732	0.70	...	...	...	5.986	-37.385	-3	m	...	...	0.140	-4.773	0.75	44.2361	10.2
...	-11.805	+47.420	-3	...	...	*	-5.932	+56.641	1.10	42.2210	9.8	...	-0.124	-47.375	0.85	44.2362	10.2
...	11.792	-35.632	-1	...	...	...	5.806	+16.880	-3	...	...	...	+0.275	+43.236	-3	m	...
...	11.786	+42.417	-3	...	...	...	5.671	+21.895	-3	...	...	...	0.312	+13.431	-3	Am	...
*	11.732	+52.544	1.05	43.2305	9.8	...	5.578	+46.224	-2	...	...	*	0.405	-25.403	1.00	44.2363	10.0
...	11.648	-8.808	-3	D	...	...	5.542	-44.776	-1	...	...	*	0.467	+28.999	1.00	43.2326	9.8
44I	-11.611	-35.339	-3	A	...	50I	-5.530	+32.631	1.80	43.2317	9.0	56I	+0.593	+43.678	-1	...	...
*	11.546	+8.578	1.00	43.2306	9.9	S*	5.430	+19.096	-1	...	...	...	0.684	+57.619	0.65	42.2227	10.4
...	11.420	-4.234	-3	B	...	S*	5.344	-23.689	1.75	44.2347	9.2	*	0.768	-5.454	1.10	44.2364	9.7
...	11.221	-42.846	-3	...	...	...	5.226	-21.921	-2	Bm	...	...	0.822	-15.421	-1	Bm	...
*	11.196	+19.212	1.90	43.2307	8.8	...	5.208	-48.594	-3	...	...	...	1.015	-17.505	0.65	...	...
...	-11.146	-39.235	-2	...	...	...	-5.049	+30.394	0.75	43.2318	10.0	...	+1.167	+23.843	-1	...	...
...	11.094	-3.484	-3	B	...	...	4.976	-25.951	-3	Bm	...	...	1.170	+8.554	-1	...	...
...	10.941	-42.864	-1	...	...	†	4.852	+21.837	-1	43.2319	10.2	...	1.171	-32.060	0.90	44.2365	10.0
...	10.898	+45.410	-3	...	...	...	4.592	+41.767	-3	m	...	...	1.239	-5.222	-3	Dd	...
...	10.846	-9.693	-2	B	...	...	4.557	-15.306	0.70	...	...	*	1.532	-41.980	1.00	44.2366	10.0

410, 415. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.				
571-630						631-690						691-750									
571	+	1.813	+37.641	0.65	...	...	+	6.788	-42.565	0.70	...	...	691	+	11.459	+13.046	-2	...	...
...	...	1.841	-2.259	-3	D d	...	...	6.940	-40.062	-2	...	...	...	...	11.663	+42.791	-3	...	...
...	...	1.928	+28.016	0.70	...	...	...	6.960	-39.718	0.70	...	...	...	...	12.094	-52.896	-3	...	...
*	...	2.002	-46.935	1.10	44.2367	9.6	...	6.982	-58.243	0.65	...	...	...	...	12.096	-32.341	-3	a	...
...	...	2.231	-11.387	-3	M b	...	...	7.075	-38.854	-3	b	...	...	...	12.116	-18.076	-3	a	...
...	+	2.541	+32.220	-3	A m	+	7.242	-45.228	0.75	+	12.555	+31.166	-3	
*	...	2.545	-57.951	1.40	44.2368	9.2	...	...	7.297	+1.388	-3	a	...	*	12.580	-56.399	1.10	44.2389	9.7
...	...	2.570	-10.962	-3	D d	...	*	...	7.355	+49.317	1.20	43.2338	9.6	...	12.777	+6.175	3	...	...
...	...	2.615	+32.176	0.70	43.2327	10.0	*	...	7.421	-26.907	3.00	44.2375	8.0	*	12.784	-59.461	2.10	44.2390	8.8		
...	...	2.732	+55.659	-1	...	...	...	...	7.457	+30.698	-2	...	...	...	12.803	-50.726	-3	...	...
581	+	2.780	-48.713	-3	M a	...	641	+	7.868	+0.382	-3	a	+	12.827	-1.406	0.80	43.2348	10.2	
*	...	2.783	+57.928	1.00	42.2236	10.0	...	...	8.134	+48.686	-3	...	...	...	12.832	+45.883	-2	...	...
...	...	2.879	+41.168	-3	M	...	...	...	8.237	+12.460	0.90	43.2340	10.0	*	12.881	-56.144	1.25	44.2391	9.4
*	...	2.951	+18.645	1.30	43.2328	9.6	*	...	8.255	+50.382	1.00	43.2339	10.0	...	12.931	+18.203	-1	...	...
...	...	2.967	-24.878	-1	M	...	...	...	8.360	-28.233	-1	...	...	...	12.948	+5.353	0.70	43.2347	10.2
...	+	3.064	+40.115	-3	*	+	8.452	-16.355	3.50	44.2376	7.8	*	+	13.237	+9.765	1.35	43.2349	9.4	
...	...	3.127	-25.261	0.80	44.2369	10.2	...	...	8.479	-30.791	-3	b	...	*	13.515	-54.575	2.80	44.2392	8.3
...	...	3.256	+2.713	0.90	43.2330	10.2	*	...	8.480	-33.131	1.00	44.2377	9.7	...	13.519	+47.036	-2	...	...
...	...	3.379	-38.659	-3	B m	...	...	...	8.550	+30.078	-3	...	...	...	13.657	-50.929	-3	...	...
...	...	3.389	+53.536	0.70	...	...	...	...	8.565	+49.281	-3	...	...	...	13.723	-19.817	0.70	...	...
591	+	3.396	+49.328	1.20	43.2329	9.8	651	+	8.629	-44.091	1.00	44.2378	9.8	...	+	13.724	-3.368	0.80	43.2350	10.2	
...	...	3.406	+38.710	-3	...	...	*	...	8.727	+27.910	1.00	43.2341	9.9	...	13.851	-44.613	-3	...	...
...	...	3.623	+0.396	0.70	a m	...	...	...	8.872	-56.128	-3	...	...	...	13.902	-45.628	0.65	...	...
...	...	3.683	-43.565	-3	M a	...	...	...	8.898	-29.344	-3	b	...	...	14.004	-50.835	-2	...	...
...	...	3.684	-5.358	-2	M b	...	...	...	8.944	+7.448	-4	a	...	*	14.226	-37.321	1.00	44.2393	10.0
...	+	3.732	-39.278	-3	M a	...	*	+	8.952	-17.168	1.25	44.2379	9.2	...	+	14.334	-46.532	-1	43.2351	10.2	
*	...	3.746	+33.861	1.05	43.2331	9.8	...	...	9.098	+31.753	-3	...	...	*	14.478	-46.921	1.10	43.2352	9.8
...	...	3.748	+8.361	-3	A m	...	...	...	9.198	-59.413	-2	...	...	...	14.767	-16.603	0.70	...	...
...	...	3.774	-52.900	-2	...	...	*	...	9.204	-2.533	1.15	43.2342	9.6	*	14.803	+41.996	1.25	43.2353	9.6
...	...	3.872	+56.190	-3	...	...	...	...	9.319	+0.047	-3	a	...	...	14.814	-32.181	0.70	...	...
601	+	4.003	-29.387	-3	M b	...	661	+	9.483	-2.489	-3	b	+	14.892	-26.630	0.70	43.2354	10.2	
...	...	4.017	+34.651	-3	A m	...	*	...	9.611	-29.741	1.25	44.2381	9.5	...	14.894	+26.234	0.80	43.2355	10.0		
*	...	4.123	+10.500	1.20	43.2332	9.6	...	...	9.631	+37.419	-3	...	...	†	15.033	-37.944	0.65	44.2394	10.2
...	...	4.201	-27.853	0.90	44.2370	9.8	...	...	9.772	-21.457	-3	a	...	†	15.143	+8.216	-3	...	...
*	...	4.441	-55.995	1.30	44.2371	9.5	...	...	9.885	-34.260	-3	b	...	*	15.231	+22.107	1.70	43.2356	9.2
...	+	4.450	+53.694	-3	+	9.936	-15.775	-2	a	+	15.361	-19.036	0.80
...	...	4.587	+56.228	-2	...	...	*	...	10.008	-21.642	1.20	44.2382	9.6	...	15.483	-44.648	-1	...	...
...	...	4.748	-16.363	-3	M b	...	†	...	10.070	-4.129	-2	a	...	*	15.605	+39.298	1.20	43.2357	9.6		
...	...	4.803	+35.995	0.80	43.2333	10.2	†	...	10.093	+20.554	1.00	43.2343	9.8	*	15.939	-23.285	1.10	44.2395	9.7		
...	...	4.808	-19.695	0.65	44.2372	10.2	†	...	10.133	-57.760	1.20	44.2383	9.6	...	16.067	+7.752	-3	a	...		
611	+	4.949	+45.364	1.00	43.2334	9.9	671	+	10.181	+50.968	-2	+	16.097	+8.869	-1	
*	†	5.104	-26.380	-3	...	...	...	...	10.267	-43.941	-1	...	...	...	16.108	-31.999	-3	b	...
†	...	5.129	-52.020	-3	...	...	...	...	10.273	-33.885	0.65	...	...	...	16.207	+51.963	-3	...	...
...	...	5.241	-17.111	-3	M b	...	*	...	10.305	+50.367	1.25	43.2344	9.6	*	16.507	-48.664	1.10	44.2396	9.8		
...	...	5.510	+58.418	-3	...	...	*	...	10.384	+36.531	2.20	43.2345	8.6	...	16.799	-52.135	0.75	44.2398	10.2
...	+	5.528	+1.207	-3	M a	+	10.393	-45.087	-3	*	+	16.805	+48.514	1.80	43.2358	9.0
...	...	5.650	+19.107	0.70	43.2335	10.2	...	...	10.503	+29.471	-3	...	...	†	16.961	-39.901	0.70	...	...
...	...	5.937	+20.138	-3	...	...	...	...	10.531	-48.708	-3	...	...	...	16.994	+27.455	-3	...	...
*	...	6.076	+41.062	1.25	43.2336	9.4	...	...	10.808	+57.675	-2	42.2255	10.4	...	17.047	-38.486	-2	...	...
...	...	6.112	-22.945	-3	M	...	*	...	10.884	-45.169	1.50	44.2385	9.2	...	17.166	+34.206	-2	...	...
621	+	6.124	+14.378	0.65	681	+	10.890	-19.869	-3	b	+	17.258	+50.947	0.80	43.2359	10.2	
...	...	6.249	+58.152	0.80	42.2245	10.4	...	...	10.923	-18.348	0.70	44.2384	10.0	*	17.336	-53.975	1.20	43.2360	9.7
...	...	6.270	-5.581	-1	a	...	...	...	10.954	+45.682	0.90	43.2346	10.2	...	17.372	+23.884	-2	...	...
...	...	6.429	+50.306	-2	...	...	...	...	11.023	-43.710	-3	...	...	*	17.374	-2.208	1.60	43.2361	9.2
...	...	6.444	+41.704	-1	...	...	...	...	11.103	-20.203	0.90	44.2386	10.0	...	17.867	-35.200	-3	...	...
...	+	6.479	-45.055	0.75	44.2374	10.2	...	+	11.198	-12.669	-3	b	+	17.934	+9.431	0.70	43.2362	10.2	
Sn*	...	6.488	+23.690	1.40	43.2337	9.0	...	...	11.245	-59.122	-3	...	...	*	18.077	-6.423	1.00	...	...
...	...	6.492	+6.464	-3	a	...	...	...	11.274	-48.066	0.85	44.2388	10.2	*	18.081	-6.241	1.20	43.2363	9.5
n*	...	6.521	+23.554	1.00	43.2337	9.0	...	...	11.295	-21.120	-3	...	...	...	18.148	+5.786	-2	...	...
...	...	6.770	-38.563	0.70	...	...	...	...	11.409	-20.755	0.80	44.2387	9.9	...	18.240	+38.935	-3	...	...

627, 629. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
751-810						811-870						871-930					
751	+18°610	-2°828	-3	d	...	811	+24°113	+18°278	-3	a	...	871	+29°122	+4°717	0·70	43·2394	10·2
...	18·672	+3·874	-3	...	...	...	24·124	-10·712	1·00	44·2412	10·2	...	29·154	-58·107	-3	...	...
*	18·738	-25·437	1·80	44·2399	9·1	...	24·188	-1·744	-3	b	...	...	29·186	+46·590	-1	...	...
...	18·799	-41·798	-3	...	...	...	24·228	+18·514	0·70	43·2379	10·2	...	29·190	-1·347	-2	a	...
...	18·857	-40·972	0·85	44·2400	10·2	*	24·241	-46·628	1·25	44·2414	9·4	...	29·302	-1·929	-2	b	...
...	+18·956	-9·224	-2	a	...	...	+24·268	-7·010	-3	b	...	*	+29·417	-1·007	2·90	43·2396	8·2
*	19·014	-55·476	1·10	44·2401	9·8	...	24·399	-4·896	-3	d	...	...	29·418	-34·505	-3	b	...
...	19·206	+17·514	-3	...	...	*	24·559	-55·298	1·90	44·2415	9·0	*	29·426	-44·683	1·00	44·2426	9·8
...	19·294	+8·493	-3	...	...	...	24·577	-45·595	-3	a	...	...	29·475	+0·255	-3	a	...
...	19·448	-22·499	0·90	44·2402	10·0	*	24·643	+36·303	1·25	43·2380	9·2	...	29·515	+13·120	-3	a	...
761	+19·473	-53·846	-3	...	...	821	+24·801	+37·909	1·40	43·2381	9·2	881	+29·520	+45·634	-2	...	...
...	19·567	+32·944	-3	...	...	...	24·870	+42·367	-3	...	...	S *	29·556	+5·656	2·30	43·2397	8·6
...	19·590	-17·460	-3	a	...	...	24·912	-15·827	-3	b	...	*	29·627	-18·118	1·00	44·2425	9·9
...	19·648	+48·416	0·70	43·2364	10·2	*	25·309	-1·226	1·00	43·2383	9·6	...	29·670	-47·149	0·75	...	...
...	19·820	+18·417	0·80	43·2365	10·2	*	25·336	+4·642	1·00	43·2382	9·8	...	29·774	+17·227	-3	a	...
*	+19·911	-59·666	1·50	44·2403	9·1	...	+25·397	-15·832	-2	...	...	...	+29·781	+44·046	0·70	43·2395	10·2
†	20·076	+44·809	-1	43·2366	10·2	...	25·426	+22·146	0·75	...	...	...	29·847	+26·242	-3	a	...
...	20·254	-3·560	-3	d	...	†	25·528	-4·978	0·80	44·2416	9·8	†	29·882	-5·027	-1	...	...
*	20·354	-52·206	1·20	44·2404	9·4	*	25·580	-54·055	1·00	44·2418	10·2	...	29·929	-16·969	-3	a	...
...	20·432	-14·781	-1	...	...	...	25·618	-0·989	-3	a	...	...	29·937	+44·182	-3	...	...
771	+20·490	+20·342	1·00	43·2368	9·9	831	+25·779	-1·029	2·70	43·2384	8·7	891	+30·009	+13·362	0·70	43·2398	10·2
...	20·614	-6·133	-1	...	...	*	25·868	-7·070	1·25	44·2417	9·3	...	30·168	-43·842	-3	...	...
...	20·757	+11·995	-3	...	...	...	25·905	-57·914	0·70	...	...	...	30·303	-29·262	-3	a	...
*	20·766	+47·210	2·20	43·2367	8·3	*	26·101	+13·671	1·20	43·2385	9·6	...	30·305	+4·474	-3	a	...
...	20·811	+59·508	-2	...	...	...	26·274	+27·983	-3	...	...	*	30·691	+40·179	1·50	43·2399	9·4
*	+20·864	+3·810	1·15	43·2370	9·7	...	+26·288	+56·289	-3	...	...	...	+30·929	-28·672	0·70	...	...
...	20·917	-3·970	-3	b	...	...	26·311	+42·811	-3	...	...	...	31·071	+54·421	0·90	43·2400	10·0
...	20·977	-16·290	-1	...	...	...	26·381	+12·184	0·70	...	...	*	31·154	-23·671	1·50	44·2427	9·2
*	21·053	-10·905	1·00	44·2405	10·2	...	26·514	-34·020	-3	d	...	...	31·186	+27·937	-2	...	...
...	21·144	+52·770	0·80	43·2369	10·2	...	26·545	+54·469	-1	43·2386	10·2	...	31·197	+21·793	-3	...	...
781	+21·200	-27·823	-3	a	...	841	+26·551	-19·736	-3	a	...	901	+31·303	-33·261	-3	...	...
...	21·208	-26·165	-3	a	...	...	26·593	-30·382	0·80	44·2419	10·2	...	31·543	+58·268	0·75	42·2295	10·4
...	21·467	-54·175	-3	...	...	...	26·749	+18·891	0·90	43·2387	10·0	...	31·614	-19·217	0·75	...	...
*	21·555	+36·824	1·10	43·2371	9·6	...	27·013	+10·827	0·75	43·2389	10·2	...	31·680	-14·342	-2	...	...
...	21·627	+18·467	-3	...	...	...	27·195	+51·326	0·70	...	...	...	31·856	-2·578	-3	b	...
...	+21·679	-11·434	-2	a	...	*	+27·200	+34·762	1·00	43·2388	9·9	*	+31·908	-1·840	1·00	43·2402	9·9
...	21·703	+7·991	-3	a	...	...	27·247	-28·414	1·10	44·2420	9·5	*	31·981	+9·156	1·25	43·2401	9·7
...	21·811	+17·227	-3	a	...	...	27·350	-19·086	-3	b	...	...	31·987	-3·929	-3	b	...
*	21·836	-29·718	1·30	44·2406	9·2	...	27·411	-30·789	-3	a	...	...	32·031	+0·273	-3	a	...
*	21·900	-46·394	1·00	44·2407	10·0	*	27·447	-15·919	1·00	44·2421	9·7	*	32·224	-2·252	2·30	43·2404	8·6
791	+21·914	+56·575	1·15	42·2276	9·9	851	+27·533	-30·982	0·70	44·2422	10·2	911	+32·507	-25·546	1·00	44·2428	9·8
...	22·039	-17·876	-1	...	...	...	27·843	-44·869	0·70	44·2423	10·2	*	32·519	+9·183	0·70	43·2403	10·2
...	22·052	+13·012	0·80	43·2374	10·0	...	27·875	-17·021	-3	a	...	...	32·687	+11·951	-3	...	...
...	22·067	-26·731	-3	...	...	*	27·962	+1·248	1·10	43·2390	9·6	...	32·688	+11·835	-3	a	...
*	22·146	+22·640	1·00	43·2373	9·8	...	28·009	+27·960	-1	...	...	...	32·723	+26·011	-3	...	...
...	+22·210	+42·873	0·90	43·2372	10·0	...	+28·024	+35·156	0·70	...	...	...	+32·774	+24·022	-2	...	...
...	22·284	+49·149	0·85	...	...	...	28·259	+13·749	-2	...	...	...	32·872	+14·860	-3	...	...
...	22·288	-24·435	-3	d	...	...	28·527	+41·157	0·65	...	...	*	32·876	-51·481	2·00	44·2430	9·0
...	22·304	-28·975	0·75	44·2408	10·2	*	28·576	+44·008	1·25	43·2391	9·2	...	32·934	-53·996	0·65	...	...
*	22·427	+22·941	1·00	43·2375	9·8	...	28·618	-22·179	-3	b	...	*	33·002	+24·988	1·00	43·2405	10·0
801	+22·727	+42·766	1·00	43·2376	9·9	861	+28·753	+17·606	-2	...	...	921	+33·033	-17·928	0·65	...	...
...	22·741	-16·889	-3	b	...	...	28·777	-36·855	-1	...	...	...	33·085	-26·651	0·80	44·2429	10·2
*	23·013	-7·084	1·00	44·2409	9·8	*	28·782	-39·543	1·40	44·2424	9·4	...	33·201	-28·741	-3	a	...
...	23·113	+5·428	0·85	43·2377	10·2	...	28·861	+34·224	-3	a	...	...	33·319	+11·461	-3	...	...
...	23·351	+17·058	-3	a	...	*	28·863	+44·295	1·40	43·2392	9·2	...	33·334	-28·058	-3	a	...
...	+23·623	-24·677	-3	b	...	†	+28·913	+54·755	-3	...	...	...	+33·389	-6·941	-3	b	...
*	23·667	-40·074	1·00	44·2411	9·9	...	28·968	-52·078	0·70	...	...	...	33·598	+36·079	-3	...	...
*	23·829	-25·960	1·25	44·2410	9·2	...	29·038	+34·065	-2	...	...	...	33·654	-37·456	-3	a	...
*	23·889	+40·488	1·10	43·2378	9·8	*	29·050	+23·616	1·15	43·2393	9·6	...	34·007	-10·844	-3	a	...
*	23·958	-55·042	2·10	44·2413	8·8	...	29·092	-22·810	-2	...	...	...	34·107	+1·281	0·65	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
931-990						991-1050						1051-1110					
931	+34·178	-45·048	-2	...	...	991	+41·044	-58·525	-3	...	...	1051	+47·617	-1·663	-3	a	...
†	34·274	-19·948	-3	a	...	...	41·048	+44·216	0·65	...	...	...	47·798	+45·404	-1	...	...
*	34·343	-9·229	1·70	44·2431	9·2	...	41·240	-25·347	0·65	...	...	...	47·810	-4·921	-3	b	...
...	34·570	+9·525	-2	...	...	...	41·272	+50·081	-2	...	...	...	47·857	-7·025	-3	h	...
...	34·671	-37·977	-2	...	...	...	41·299	+32·517	-2	...	...	...	48·091	-57·110	0·65	44·2450	10·2
†	+35·002	-35·736	-2	...	...	...	+41·330	+32·244	-1	...	...	...	+48·197	-35·338	-2	...	...
†	35·023	+48·716	-3	...	...	...	41·435	-53·837	0·70	...	...	...	48·296	+39·344	-3	...	...
...	35·166	+13·335	-2	...	...	*	41·461	-27·956	1·00	44·2441	10·0	...	48·432	-38·748	0·70	...	...
...	35·243	-57·886	0·80	44·2433	10·2	...	41·556	-54·445	-3	...	...	*	48·443	+29·580	1·00	43·2426	9·8
*	35·412	-22·193	1·10	44·2432	9·8	...	41·558	+18·178	-2	...	...	...	48·513	-33·319	-3	a	...
941	+35·615	+53·683	-4	...	...	1001	+41·699	-21·648	2·70	44·2442	8·4	1061	+48·608	-37·571	-3	a	...
...	35·980	+11·876	-2	...	...	...	41·835	+46·358	0·70	...	...	...	48·905	-50·909	0·90	44·2451	10·2
...	36·030	-16·869	0·70	...	...	...	42·027	-4·232	-3	b	...	...	48·969	-27·961	-1	...	...
...	36·058	-5·459	-3	a	...	...	42·385	+49·132	-2	...	...	...	48·982	+16·277	-1	...	...
...	36·142	-24·393	0·80	44·2435	10·2	...	42·519	-35·412	0·65	...	...	*	48·987	+45·648	2·00	43·2427	8·9
...	+36·250	+30·266	-1	...	...	...	+42·741	-44·832	-2	...	...	...	+49·044	+55·213	0·65	43·2428	10·2
...	36·383	+40·987	0·75	...	...	...	42·839	+57·191	-4	...	...	...	49·125	-9·426	-2	e	...
...	36·406	+33·990	0·85	43·2406	10·2	...	42·892	-2·614	-1	...	...	...	49·188	-58·336	-3	...	...
...	36·470	+23·822	0·80	...	...	...	42·934	+28·004	-3	...	...	*	49·446	-17·030	1·20	43·2429	9·6
...	36·581	+1·166	-3	a	...	...	42·936	-22·038	-1	...	...	...	49·578	-20·641	-3	b	...
951	+36·681	-9·251	-2	...	...	1011	+43·147	+0·302	0·75	43·2418	10·2	1071	+49·592	-17·454	-3	b	...
...	36·830	+59·691	-1	42·2302	10·4	*	43·162	+51·584	1·05	43·2417	10·0	...	49·611	-21·681	-3	b	...
...	36·836	+47·708	0·90	...	...	†	43·313	-30·023	-3	...	...	...	49·675	-57·476	-3	...	...
...	36·848	-47·817	-2	...	...	...	43·321	+56·905	-3	...	...	†	49·931	+32·251	-1	...	...
...	36·895	-1·490	0·80	43·2407	10·2	...	43·430	+37·428	-2	...	...	...	50·123	+1·777	0·80	43·2430	10·2
...	+36·953	-50·498	-3	...	...	...	+43·445	+3·983	-1	...	...	...	+50·146	-44·798	0·80	44·2452	9·9
*	37·025	-33·397	1·30	44·2436	9·6	S*	43·657	-52·935	2·43	44·2444	8·8	...	50·173	-23·782	-3	...	...
...	37·188	-2·536	-3	d	...	†	43·768	+59·766	0·70	42·2321	10·4	...	50·179	-21·709	-3	...	...
...	37·252	-14·402	0·65	...	...	...	43·846	-36·392	-3	a	...	*	50·271	-59·768	1·40	44·2454	9·6
...	37·272	+26·275	-3	...	...	...	43·928	-19·859	0·70	...	...	...	50·320	-39·604	-1	...	...
961	+37·375	+22·207	-3	...	...	1021	+43·979	+43·124	-3	a	...	1081	+50·480	+27·936	-3	...	...
...	37·456	+42·843	-3	...	...	...	43·986	+30·789	-3	...	...	*	50·523	-36·860	1·10	44·2453	10·0
*	37·503	-2·906	1·70	43·2410	9·4	...	44·471	-22·766	-1	...	...	...	50·737	+24·626	-3	...	...
...	37·761	-26·077	-3	...	...	*	44·493	-51·716	1·25	44·2445	9·6	*	50·751	-17·268	1·00	43·2431	10·0
...	37·787	+37·644	0·75	43·2408	10·2	...	44·504	-36·175	0·70	...	...	*	50·970	-27·013	1·35	44·2455	9·6
...	+37·920	+19·254	0·85	43·2411	10·2	...	+44·604	-3·132	-2	a	...	*	-51·317	-9·673	1·00	44·2456	9·9
*	37·928	+52·425	2·70	43·2409	8·7	*	44·730	+27·542	1·00	43·2419	9·8	*	51·354	-2·170	1·60	43·2433	9·4
...	38·029	-17·314	-3	b	...	...	44·877	+8·943	0·90	43·2421	10·2	...	51·479	-48·184	0·70	44·2459	10·2
...	38·029	-25·854	-3	...	...	†	45·051	-37·514	0·70	...	...	*	51·598	+25·414	1·40	43·2432	9·5
*	38·087	-47·918	1·40	44·2438	9·6	S*	45·181	+41·248	2·60	43·2420	8·6	S*	51·729	-15·120	1·65	44·2458	9·2
971	+38·359	-39·887	-3	...	...	1031	+45·220	+7·523	1·10	43·2423	9·8	1091	+51·852	+20·731	-3	...	...
†	38·441	+29·362	1·10	43·2412	9·7	*	45·560	-44·054	1·20	44·2446	9·8	...	52·073	+48·647	-3	...	...
*	38·559	-8·360	1·30	44·2437	9·5	...	45·563	+30·441	0·65	...	...	...	52·369	+40·424	-3	...	...
...	38·879	+14·671	0·90	43·2414	10·0	*	45·626	+56·648	1·30	42·2324	9·7	...	52·509	-25·784	-3	...	...
*	38·909	+40·805	1·80	43·2413	9·3	...	45·678	-47·592	-2	...	...	...	52·672	-34·415	-3	...	...
...	+38·928	+25·579	0·65	...	...	*	+45·726	+38·880	1·20	43·2422	9·6	...	+52·805	-7·212	-3	...	...
...	39·048	+3·345	-1	...	...	...	45·756	-52·411	0·70	44·2447	10·2	*	52·891	-10·677	1·40	44·2461	9·6
*	39·214	+5·058	1·25	43·2415	9·6	...	46·008	+33·096	0·65	...	...	...	53·014	-11·324	-3	b	...
*	39·341	-19·273	1·00	44·2439	10·2	...	46·033	-7·020	-3	b	...	...	53·084	-13·842	-2	...	...
*	39·375	-0·527	1·10	43·2416	10·0	...	46·040	+22·824	-3	...	...	...	53·105	-42·415	0·85	43·2434	9·9
981	+39·920	+5·797	-3	...	...	1041	+46·066	+46·797	0·70	...	...	1101	+53·460	+42·112	0·90	43·2435	9·9
...	40·092	-58·662	-2	44·2440	10·2	...	46·264	+59·368	-3	...	...	*	53·464	+55·833	1·20	42·2334	0·7
...	40·317	-32·671	-3	...	...	...	46·315	-25·663	-3	a	...	*	53·604	+35·662	2·00	43·2439	9·2
...	40·404	+0·372	-3	a	...	*	46·333	+1·963	1·05	43·2425	9·8	*	53·749	-3·399	1·10	43·2437	9·8
...	40·565	+35·524	-3	...	...	...	46·412	+37·156	0·85	43·2424	10·0	...	54·707	-52·851	-3	...	...
...	+40·606	+49·515	-3	...	...	...	+46·522	-58·166	0·70	44·2448	10·2	...	+54·905	+16·807	-1	...	...
...	40·709	-41·430	-3	...	...	...	46·542	+38·550	0·70	...	...	...	55·005	-27·195	1·15	43·2438	0·8
...	40·725	-23·538	-3	...	...	...	47·137	-58·126	0·70	44·2449	10·2	†	55·090	-2·345	2·00	43·2439	8·8
...	40·768	+57·818	0·95	42·2314	10·2	...	47·163	+13·117	-3	...	...	...	55·230	-42·880	0·80	44·2462	10·2
...	40·842	-53·094	-3	...	...	...	47·212	+41·475	-2	...	...	...	55·379	+27·018	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		...	No.	Mag.
1111-1130						1131-1143											
I 111						I 131											
*	+55.713	+29.701	1.10	43.2440	9.9	*	+58.428	-21.018	2.00	44.2471	9.2						
...	55.753	+15.081	-3	...	...	...	58.955	-46.046	-3	...	...				
*	55.977	+43.100	1.10	44.2466	9.8	...	59.025	-14.023	0.85	44.2472	10.2						
*	56.019	-5.487	1.00	44.2463	9.9	...	59.110	-10.731	-3	...	...				
*	56.131	-55.215	2.00	44.2467	9.5	†	59.175	+24.876	0.80	43.2443	10.2						
...	+56.224	-41.760	-3	...	...	*	+59.246	+18.083	1.20	43.2444	9.7					
...	56.351	+15.177	-3	...	...	...	59.317	-29.369	-3	a	...					
...	56.404	-44.444	0.80	44.2468	9.9	...	59.394	-12.890	0.80	...	...				
...	56.677	+23.732	0.70	...	...	...	59.429	-16.927	-4	e	...					
*	56.847	+57.039	1.20	42.2342	10.0	...	59.436	-44.693	0.80	44.2474	9.8						
I 121						I 141											
*	+56.953	-51.373	2.00	44.2470	9.2	*	+59.600	+1.756	2.00	43.2445	9.2						
...	57.019	-41.950	-3	...	...	N†	59.794	-43.824	4.00	44.2475	8.0					
...	57.327	-18.012	0.70	...	...	†	59.930	-16.691	1.80	44.2473	9.2					
...	57.378	-54.309	-3	...	...										
...	57.750	+2.199	-3	...	...										
†	+57.766	-19.950	-2	...	...										
...	57.858	+42.362	-2	...	...										
*	58.292	+17.980	1.10	43.2441	9.8												
...	58.369	-34.286	-1	...	...										
*	58.407	+13.869	1.30	43.2442	9.7												

1142. Mass.

1-30						31-60						61-90					
I						3I						6I					
...	-59.787	+59.640	0.95	42.2328	9.8	...	-54.638	-25.804	-5	...	...	*	-49.405	-51.254	1.30	44.2470	9.2
...	59.636	-58.360	-4	44.2448	10.2	...	54.425	-13.865	-5	...	...	*	49.238	+18.227	1.00	43.2444	9.7
...	59.439	+16.116	-5	...	...	...	54.333	-40.447	-5	...	...	...	48.900	-54.175	-5	...	...
...	59.028	-58.298	-4	44.2449	10.2	*	54.284	+3.393	1.00	43.2437	9.8	*	48.860	-20.872	1.25	44.2471	9.2
*	58.991	+16.879	1.00	43.2429	9.6	...	53.865	+57.628	-5	...	...	...	48.531	-34.134	-4	...	...
...	-58.984	+32.114	-5	...	...	...	-53.688	+27.203	1.00	43.2438	9.8	...	-48.503	-10.572	-4	...	...
...	58.668	-35.489	-5	...	...	...	53.536	+16.817	-3	...	...	...	48.492	-13.867	-2	44.2472	10.2
...	58.514	-9.575	-5	E	...	...	53.372	+27.044	-4	...	...	*	48.381	+1.921	1.80	43.2445	9.2
...	58.322	-38.897	-5	...	...	...	53.126	+29.731	1.00	43.2440	9.9	*	48.264	+28.720	1.00	43.2446	9.7
...	58.104	-28.104	-5	...	...	*	52.906	+2.376	2.00	43.2439	8.8	...	48.143	-12.718	-2	...	...
II						4I						7I					
...	-58.091	-57.249	-4	44.2450	10.2	...	-52.817	+57.086	-1	42.2342	10.0	...	-47.994	-16.753	-5	E	...
...	57.853	+1.654	0.75	43.2430	10.2	...	52.640	+15.123	-5	...	...	...	47.755	+9.791	0.75	43.2447	10.2
...	57.705	+17.167	0.90	43.2431	10.0	...	52.441	+53.833	-5	...	...	...	47.707	+25.213	0.70	...	...
...	57.474	-51.032	-3	44.2451	10.2	...	52.041	+15.236	-5	...	...	...	47.573	-45.864	-4	...	...
*	57.101	+25.327	1.05	43.2432	9.5	...	51.972	+23.798	-4	...	...	*	47.493	-16.512	1.40	44.2473	9.2
...	-57.017	-23.892	-5	...	...	*	-51.740	-5.417	0.95	44.2463	9.9	...	-47.394	+51.768	-5	...	...
*	56.504	-2.252	1.15	43.2433	9.4	...	51.614	-52.803	-5	...	...	...	47.315	+27.455	0.80	43.2449	10.0
†	56.409	-44.892	-1	44.2452	9.9	...	51.403	-42.822	0.70	44.2462	10.2	*	47.243	+4.053	0.90	43.2448	9.8
...	56.404	-39.699	-3	...	...	...	51.346	+42.455	-4	...	...	...	47.145	-44.495	0.90	44.2474	9.8
...	56.320	-9.744	0.75	44.2456	9.9	...	50.653	-43.010	1.00	44.2466	9.8	...	47.098	-18.553	-5	B	...
2I						5I						8I					
...	-56.283	-36.945	0.90	44.2453	10.0	...	-50.434	-41.654	-5	...	...	...	-46.943	+6.509	-4	...	...
...	56.162	+55.779	1.00	42.2334	9.7	...	50.263	+2.308	-5	...	...	...	46.892	+8.087	-5	...	...
*	56.113	-27.985	1.00	44.2455	9.6	...	50.186	+18.097	1.00	43.2441	9.8	N*	46.797	-43.629	3.00	44.2475	8.0
...	56.098	+42.359	-1	43.2434	9.9	...	50.176	-44.342	0.90	44.2468	9.9	...	46.724	+18.992	-4	...	...
...	55.744	+42.068	-1	43.2435	9.9	...	50.121	-55.115	1.40	44.2467	9.5	...	46.389	-12.596	-4	...	...
S*	-55.727	-15.181	1.60	44.2458	9.2	...	-50.068	-17.897	-3	...	...	S*	-45.990	-44.690	2.00	44.2476	8.8
*	55.408	+35.627	1.50	43.2436	9.2	...	49.940	+13.993	0.95	43.2442	9.7	*	45.858	-1.785	1.00	43.2450	9.9
†	54.986	-48.234	-5	44.2459	10.2	...	49.658	-41.831	-5	...	...	...	45.744	-32.837	-4	...	...
†	54.910	-7.243	-5	...	...	...	49.566	-19.823	-4	...	...	*	45.593	-6.806	1.00	44.2478	9.6
*	54.710	-10.699	1.00	44.2461	9.6	†	49.522	+25.004	0.75	43.2443	10.2	...	45.395	+44.410	-5	...	...

L measured from 1, 253, 503.
MC " " 130, 376, 624.

83. Mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-45.335	-1.648	0.85	43.2451	10.2	151	-37.402	+1.874	0.80	43.2468	10.2	211	-26.323	-54.364	0.80	43.2483	10.0
...	45.284	-39.638	0.90	44.2477	10.0	...	37.238	-42.010	-4	44.2495	10.2	...	26.108	-40.727	-3	43.2484	10.2
...	45.141	-38.865	0.90	44.2479	10.0	...	36.614	+41.274	-1	43.2469	10.2	*	26.068	+42.621	2.00	43.2485	8.6
...	45.007	-47.784	-5	44.2480	10.2	...	36.118	+9.121	-3	...	...	*	26.012	-42.888	1.20	44.2512	9.3
S †	44.859	+20.024	2.00	43.2452	8.6	...	36.090	-48.431	-5	...	...	...	25.652	-15.765	1.00	43.2486	9.6
...	-44.740	-32.174	-5	...	...	...	-35.994	+21.285	0.85	43.2470	9.8	...	-25.561	-45.912	-5	...	...
*	44.695	+0.925	1.00	43.2453	9.8	...	35.538	+44.534	-1	43.2471	10.2	*	25.487	-4.554	1.70	43.2487	9.2
...	44.366	+45.513	-2	43.2455	10.2	...	35.510	+22.977	-3	...	...	...	25.152	-58.923	-1	42.2389	9.9
...	44.154	+11.792	0.85	43.2454	10.0	...	35.495	-2.330	-3	...	...	...	24.965	-19.799	-5	...	...
...	44.095	-50.695	-2	44.2481	10.2	...	35.417	+8.971	-2	43.2472	10.2	*	24.793	-23.962	1.20	44.2513	9.4
IOI	-44.054	-7.853	0.70	44.2483	10.2	161	-34.862	+12.994	0.85	43.2473	9.9	221	-24.791	+31.004	-4	...	...
*	43.947	-28.120	1.00	44.2482	9.6	...	34.439	+3.900	-3	...	...	...	24.701	+47.924	-4	...	...
...	43.916	-45.864	-4	...	...	...	34.396	+30.376	0.80	43.2474	10.0	...	24.459	-15.585	-5	A	...
...	43.863	+1.407	-3	...	...	...	34.313	-36.397	1.00	44.2497	9.8	...	24.454	-0.374	-4	B	...
...	43.725	+25.535	1.00	43.2456	9.7	...	34.259	-29.784	0.85	44.2498	9.9	*	24.162	-49.360	0.90	44.2514	10.0
...	-43.203	-6.902	-3	...	...	...	-33.958	+36.396	1.00	43.2475	9.7	...	-23.950	-9.247	-4	...	...
...	43.118	+42.415	-4	...	...	*	33.893	-32.898	1.20	44.2499	9.5	...	23.907	-21.573	-4	...	...
...	42.860	-37.278	0.90	44.2484	10.2	...	33.841	-23.385	-4	...	...	...	23.861	-20.907	-4	44.2515	10.2
...	42.843	+16.438	-2	...	...	...	33.666	-1.198	-5	B	...	*	23.776	-11.239	1.30	44.2516	9.3
...	42.739	+46.674	-5	...	...	*	33.498	+25.893	1.80	43.2476	9.1	...	23.592	+38.957	1.00	43.2488	9.7
III	-42.640	+23.983	0.75	43.2457	10.2	171	-33.371	-2.953	0.95	43.2477	9.7	231	-23.510	-41.285	-3	...	...
...	42.368	-53.927	0.70	44.2485	9.9	...	33.186	+12.133	-3	...	...	...	23.424	-58.853	-5	...	...
...	42.241	-8.210	-3	...	...	...	33.159	-48.579	-5	...	...	*	23.370	+18.120	1.00	43.2489	9.7
...	42.108	-23.626	1.00	44.2487	9.8	*	32.122	-11.205	1.20	44.2500	9.5	*	23.302	-38.966	1.60	44.2517	9.2
...	42.013	-55.221	1.00	44.2486	9.6	...	31.828	-10.420	-3	...	...	...	22.978	+10.693	-3	43.2490	10.2
...	-41.925	-48.698	-3	44.2488	10.2	...	-31.753	+23.748	-5	...	...	...	-22.904	+11.077	-5	...	...
...	41.869	-7.528	-2	...	...	...	31.711	+52.283	-2	43.2478	10.2	...	22.613	+48.169	-3	...	...
...	41.858	+17.047	-3	43.2458	10.2	...	31.574	-52.124	-5	...	...	*	22.583	+55.384	1.20	43.2491	9.6
...	41.684	+21.471	0.80	43.2459	10.2	...	31.529	+11.908	-4	...	...	...	22.379	-4.150	-5	B	...
...	41.434	+5.175	0.65	...	...	...	31.466	-21.469	0.90	44.2501	9.8	...	22.292	-25.140	1.00	44.2518	9.6
I21	-41.339	-10.643	-5	A	...	181	-31.024	+9.959	-4	...	...	241	-22.138	-33.099	-5	...	...
*	41.261	-5.181	1.00	44.2489	9.7	*	30.710	+9.784	1.20	43.2479	9.5	*	21.882	-3.824	1.60	43.2492	9.4
...	41.258	-8.094	-4	...	...	...	30.642	+20.804	-4	...	...	...	21.665	-35.217	-4	...	...
...	41.235	-29.377	-5	...	...	...	30.207	-40.462	-4	...	...	...	21.614	-36.618	-3	...	...
*	41.115	-4.816	1.25	44.2490	9.2	...	30.181	-34.085	-4	44.2502	10.2	...	21.472	-5.283	-2	44.2519	10.2
...	-40.557	+31.994	-5	...	...	†	-29.928	+3.607	3.60	43.2480	7.7	...	-21.437	-34.027	-3	...	...
...	40.534	+41.903	-2	43.2460	10.2	*	29.825	-53.573	1.00	44.2503	9.8	*	21.051	+58.447	1.50	42.2395	9.2
...	40.366	+13.023	-4	...	...	...	29.771	-38.528	-1	44.2504	10.0	...	21.021	-29.815	0.70	44.2520	10.0
†	40.014	+18.209	0.65	43.2461	10.0	...	29.696	-6.991	-4	44.2505	10.2	...	20.822	+17.875	1.00	43.2493	9.8
*	39.880	-50.490	1.80	44.2491	9.1	...	29.652	-37.951	-4	...	...	...	20.661	-30.194	-3	44.2521	10.2
I31	-39.865	+0.651	0.90	43.2462	10.0	191	-29.544	-48.492	-5	...	...	251	-20.478	-20.808	-3	...	...
...	39.600	+54.754	0.65	43.2463	10.0	...	29.502	-55.711	1.00	44.2506	9.8	...	20.337	-54.764	-5	...	...
...	39.568	+7.166	-5	...	...	...	29.122	-24.575	-4	...	...	S †	20.063	-40.315	3.00	44.2522	8.0
†	39.390	+15.000	-4	...	...	...	29.074	-24.169	-4	...	...	*	19.889	-50.321	1.90	44.2523	9.0
...	39.217	-28.470	-5	...	...	...	28.737	+6.973	-2	43.2481	10.2	...	19.566	+31.484	-4	...	...
...	-39.180	+6.645	-5	...	...	*	-28.685	-50.042	1.20	44.2507	9.6	*	-19.548	+56.436	1.00	42.2396	9.8
*	39.155	-43.472	1.00	44.2492	9.6	...	28.585	-5.535	0.85	44.2508	9.8	...	19.418	-12.240	-5	...	...
...	39.110	-47.518	-4	...	...	...	27.928	-33.344	-4	...	...	...	19.357	-25.674	-3	...	...
...	39.098	-56.478	-5	...	...	...	27.709	-25.971	-5	...	...	...	19.300	-27.434	-5	...	...
...	39.079	+42.451	-3	43.2464	10.2	...	27.695	+44.125	-5	...	...	...	19.260	-6.554	-5	...	...
I41	-38.858	-20.591	-1	44.2494	10.2	201	-27.692	+59.150	1.50	42.2383	9.2	261	-19.052	-4.342	-4	43.2494	10.2
...	38.748	+30.602	-5	...	...	*	27.369	+48.197	-5	...	...	...	19.009	-30.738	0.70	44.2524	10.2
...	38.671	-57.297	-1	44.2493	9.8	...	27.322	-45.750	-5	...	...	S *	18.831	-13.278	2.00	44.2525	8.8
...	38.520	-5.095	-4	...	...	...	27.288	-8.829	-4	...	...	...	18.493	-1.024	-4	B	...
...	38.488	+54.234	-5	...	...	...	27.075	+15.252	-4	...	...	...	18.477	-17.113	-5	...	...
*	-38.206	+46.067	1.10	43.2465	9.6	...	-27.049	-55.829	-4	44.2509	10.2	...	-18.439	-20.630	-3	43.2495	10.2
...	38.206	-15.482	-4	...	...	...	26.972	+53.895	-3	43.2482	10.2	...	18.415	50.038	-4	...	...
...	38.000	+17.681	0.80	43.2466	9.8	...	26.783	-8.220	-3	44.2511	10.2	...	18.276	-28.437	-4	...	...
...	37.936	-19.873	-3	...	...	...	26.782	-28.193	0.90	44.2510	9.9	...	18.015	-43.797	-5	...	...
...	37.709	+33.387	0.65	43.2467	10.2	...	26.512	+48.413	-5	...	...	S *	18.011	-5.478	2.00	43.2496	8.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	x.	y.	No.	Mag.
271-330						331-390						391-450					
271	...	...	...	...	...	331	...	...	...	...	...	391	...	...	...	...	...
...	-17.999	-57.138	-5	...	...	...	-8.687	-15.814	-3	44.2545	10.2	...	+2.186	-25.171	-2	44.2567	10.0
*	17.766	-41.068	2.00	44.2526	8.4	...	8.411	-56.418	-5	...	...	...	2.483	+46.688	-3	...	...
*	17.635	-46.263	1.00	44.2527	9.7	*	8.308	+46.148	1.00	43.2511	9.7	...	2.509	-52.689	-2	44.2568	10.0
†	17.573	-44.893	-5	...	...	*	8.183	+8.092	3.00	43.2512	8.1	S*	2.544	+35.263	1.38	43.2525	9.0
...	17.455	-34.257	0.65	44.2528	10.2	*	8.098	-58.960	1.70	44.2547	9.2	...	2.841	+29.777	-4	...	...
...	-17.445	+47.636	-4	...	...	*	-7.754	-24.874	2.00	44.2548	8.9	*	+2.920	+32.170	1.10	43.2526	9.6
*	17.245	-40.415	1.00	44.2529	9.6	...	7.661	-35.195	0.80	44.2549	10.0	...	2.983	-6.483	-4	M	...
...	17.085	+1.045	-5	...	...	...	7.433	+28.860	-5	...	...	...	3.029	+1.827	-3	43.2527	10.2
...	17.003	+12.181	1.00	43.2497	9.8	...	7.389	+45.955	-4	...	...	...	3.632	+11.159	-2	43.2528	10.2
...	16.891	+25.371	-4	...	...	*	7.357	-32.675	3.00	44.2550	8.0	...	3.683	-26.621	-5	...	...
281	...	...	...	...	...	341	...	...	...	...	...	401	...	...	...	...	...
...	-16.782	-12.651	-5	A	...	...	-7.255	+25.161	-4	...	...	...	+3.965	-28.875	-1	44.2569	10.0
...	16.755	-59.209	-2	44.2530	10.2	n*	7.105	-31.880	1.00	44.2552	8.8	...	4.001	+44.337	-4	...	...
...	16.489	-42.359	-2	44.2531	10.2	...	7.105	-53.137	-5	...	...	...	4.158	-23.775	-4	44.2570	10.2
...	16.261	+42.811	-1	43.2500	10.0	*	6.984	-28.196	1.00	44.2551	9.6	...	4.297	+3.722	-5	M	...
...	16.251	+7.302	0.80	43.2498	10.0	...	6.946	-52.333	-2	...	...	*	4.319	-51.594	1.00	44.2572	9.6
...	-16.096	+2.154	0.90	43.2499	9.9	...	-6.915	-48.918	-5	...	...	...	+4.420	-58.086	0.90	44.2573	9.8
†	15.906	-59.839	-3	44.2533	10.2	n*	6.858	-31.881	1.80	44.2552	8.8	*	4.443	-31.880	0.95	44.2571	9.8
...	15.663	+19.855	-3	...	...	*	6.805	+48.534	1.00	43.2513	9.6	...	4.963	-44.675	-5	Bm	...
...	15.625	-33.803	-5	...	...	...	6.757	+1.709	-5	...	...	...	5.166	-58.250	-1	44.2574	10.0
†	15.163	-39.906	-5	44.2534	10.2	...	6.754	-39.177	0.70	44.2553	10.2	...	5.265	+48.059	-5	...	...
291	...	...	...	...	...	351	...	...	...	...	...	411	...	...	...	...	...
†	-15.080	-50.567	-4	...	...	*	-6.676	-2.958	1.35	43.2514	9.4	*	+5.442	-35.368	1.00	44.2575	9.6
...	14.936	-39.637	-1	44.2535	10.2	...	6.661	-34.451	-5	...	...	*	5.455	-38.902	1.00	44.2576	9.8
...	14.765	-33.262	-5	...	...	...	6.537	+39.612	-5	...	...	...	5.455	-46.740	-4	...	...
†	14.464	+29.924	-4	...	...	...	6.422	-55.442	-4	...	...	...	5.661	-52.971	-5	M	...
...	14.172	+23.150	0.70	...	...	...	6.389	-46.195	-2	44.2554	10.2	...	6.200	-41.372	-3	...	...
...	-13.892	+32.568	-4	...	...	...	-5.780	-16.365	-4	44.2555	10.2	...	+6.406	-3.255	-3	43.2531	10.2
...	13.649	+48.564	-5	...	...	...	5.461	-57.978	0.95	44.2556	9.9	*	6.433	+4.066	1.00	43.2529	9.8
*	13.639	+39.392	2.00	43.2501	8.7	...	4.911	+45.059	0.70	...	...	...	6.549	+10.933	0.95	43.2530	9.9
a*	13.566	+0.236	1.50	43.2502	9.2	*	4.446	-4.187	1.00	43.2515	9.8	...	6.910	+46.471	-2	43.2532	10.2
...	13.453	+12.851	-4	...	...	...	4.400	+32.032	-5	...	...	...	7.030	-37.860	-3	...	...
301	...	...	...	...	...	361	...	...	...	...	...	421	...	...	...	...	...
*	-13.133	+17.018	1.05	43.2503	9.5	...	-4.141	+56.821	-1	42.2419	10.2	...	+7.246	-13.038	-4	44.2577	10.2
...	12.688	-23.190	-4	44.2536	10.2	...	3.133	+33.897	-5	...	...	...	7.339	-15.558	-3	...	...
...	12.306	-15.462	-4	...	...	*	3.063	-42.852	1.00	44.2558	9.7	S*	7.619	-10.874	2.00	44.2578	9.0
...	12.271	+47.390	0.95	43.2504	10.0	...	2.953	+6.104	1.00	43.2516	9.7	...	7.849	-9.122	-4	...	...
...	12.198	+43.122	-2	...	...	...	2.623	+2.595	-4	43.2517	10.2	*	7.885	+53.714	0.90	43.2533	9.8
...	-12.084	+43.161	0.75	44.2537	10.0	...	-2.278	+6.712	0.95	43.2518	9.9	*	+8.216	+37.440	1.40	43.2534	9.2
...	11.991	-41.419	-4	...	...	...	2.044	-0.338	-4	Bm	...	†	8.299	+34.856	0.95	43.2535	9.7
...	11.982	-57.369	-5	...	...	...	1.700	+3.919	-3	...	...	*	8.330	-16.264	0.95	44.2579	9.8
...	11.906	-55.049	0.90	44.2538	9.8	...	1.312	-31.408	0.80	44.2559	10.0	*	8.454	-44.527	1.20	44.2580	9.5
...	11.701	-28.087	-5	44.2539	10.2	*	1.205	+4.788	1.20	43.2519	9.5	...	8.534	-30.344	0.65	44.2581	10.0
311	...	...	...	...	...	371	...	...	...	...	...	431	...	...	...	...	...
...	-11.648	+55.410	-1	42.2409	10.3	...	-0.922	+7.248	-5	...	...	...	+8.628	+51.811	-4	...	...
*	11.477	-51.004	1.30	44.2540	9.2	*	0.784	-37.955	2.00	44.2560	8.8	...	8.633	-4.410	-3	...	...
...	11.455	+18.076	-2	43.2505	10.2	e*	0.517	-46.392	1.00	44.2561	9.6	S*	8.700	-54.711	2.20	44.2582	8.5
...	11.327	+12.326	-5	...	...	...	0.439	+57.364	-4	...	...	...	8.784	+47.140	-4	...	...
...	11.182	-31.214	-5	...	...	...	0.194	+4.062	-3	43.2520	10.0	...	9.063	+27.958	-4	...	...
...	-11.079	-56.049	-4	...	...	...	-0.079	-4.605	1.80	44.2562	9.1	...	+9.592	-35.158	-4	...	...
...	10.833	-48.600	-3	...	...	...	0.067	-46.379	-4	...	...	...	9.914	-15.407	-4	...	...
...	10.339	-59.732	1.00	44.2541	9.7	...	-0.012	+33.855	-4	...	...	...	9.922	-21.932	-1	44.2583	9.9
...	9.836	-28.307	-2	44.2542	10.2	*	+0.149	-38.574	3.00	44.2563	8.0	...	10.143	-54.981	0.85	44.2584	10.2
*	9.822	+14.035	1.00	43.2506	9.6	...	0.245	+30.668	-2	43.2521	10.2	...	10.247	+48.681	1.00	43.2536	9.6
321	...	...	...	...	...	381	...	...	...	...	...	441	...	...	...	...	...
...	-9.803	-57.749	-5	...	...	...	+0.364	-46.616	-4	...	...	...	+10.322	+29.719	-3	...	...
...	9.502	-26.397	0.70	44.2543	10.0	...	0.383	+34.734	-4	...	...	*	10.324	-47.367	1.00	44.2585	9.7
†	9.469	+24.952	1.20	43.2507	9.2	...	0.402	-4.907	-5	44.2564	10.2	...	10.460	+7.764	-4	...	...
*	9.462	-51.906	1.00	44.2544	9.9	*	0.479	-56.331	1.10	44.2565	9.4	...	10.541	+46.293	-3	43.2537	10.2
...	9.302	-44.404	-4	...	...	...	0.551	+54.789	0.90	43.2522	9.8	*	10.687	-45.901	1.40	44.2586	9.2
...	-9.275	+15.308	1.00	43.2508	9.9	†	+0.760	+51.587	1.50	43.2523	9.0	...	+10.776	+56.696	-4	...	...
*	9.011	+23.320	1.00	43.2509	9.8	...	1.187	+56.731	-4	...	...	...	10.832	-17.782	-4	...	...
...	8.821	-54.653	-5	...	...	*	1.221	-9.176	1.00	44.2566	9.7	...	10.988	+24.744	-3	43.2538	10.2
...	8.753	-32.201	-5	...	...	*	1.332	+4.728	2.10	43.2524	8.7	...	11.243	-55.747	1.00	44.2588	9.8
†	8.741	+34.846	0.65	43.2510	10.2	...	1.687	+9.721	-4	...	...	*	11.254	-5.550	2.00	44.2587	9.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
451-510						511-570						571-630								
451	+11.564	+43.957	- 4	...	...	511	+21.049	-50.231	1.70	44.2597	9.0	571	+30.967	-38.131	- 3	...	...	
...	11.995	+29.209	- 3	...	...	...	21.242	-22.721	- 5	...	...	...	* 31.098	+46.408	1.20	43.2571	9.6
...	12.073	+ 7.035	- 3	21.442	-40.497	- 3	31.282	+ 9.489	1.00	43.2573	9.8		
...	12.432	+26.288	- 1	43.2539	10.2	...	21.582	+52.350	0.75	43.2557	10.2	31.398	-38.507	- 4		
...	12.837	+41.565	- 3	21.709	-50.402	- 4	44.2598	10.2	31.613	+ 9.226	0.80	43.2574	10.2		
n*	+12.899	-27.073	1.10	+21.931	+39.404	0.80	43.2558	10.0	+32.058	+ 8.111	0.85	43.2576	9.9		
n	12.990	-27.293	- 2	44.2589	9.6	...	22.049	+17.607	0.95	43.2559	9.8	* 32.211	+25.275	1.00	43.2575	9.7		
*	13.011	-17.871	1.10	44.2590	9.6	...	22.148	+17.284	- 4	32.443	- 0.849	0.70	43.2578	10.2		
...	13.055	+34.144	- 4	* 22.218	-41.358	1.00	44.2599	9.6	32.462	+48.100	- 5		
...	13.142	-16.035	- 3	44.2591	10.2	...	22.343	-38.354	- 5	* 32.587	+23.673	1.00	43.2577	9.6		
461	...	...	...	...	...	521	...	...	...	...	...	581	...	...	...	...	...
...	+13.207	-43.056	- 4	...	...	...	+22.429	+ 2.144	1.00	43.2560	9.8	...	+32.978	+44.541	- 5	...	...	
...	13.607	-49.362	- 3	22.866	+24.290	- 3	33.001	+ 0.982	0.85	43.2579	10.0		
...	13.930	+36.335	0.65	43.2540	10.2	...	22.949	-23.875	1.00	44.2600	9.8	33.375	-10.848	0.85	44.2613	9.8		
*	14.000	+32.755	1.00	43.2541	9.6	...	22.973	-58.066	- 2	44.2601	10.2	* 33.692	+31.262	1.10	43.2580	9.6		
...	14.233	+27.219	- 4	23.028	+52.710	0.75	43.2561	10.0	† 33.793	+19.871	- 4	43.2581	10.2		
*	+14.935	+26.868	1.20	43.2543	9.5	...	+23.099	-52.107	- 5	+34.051	-10.774	- 3	44.2614	10.2	
*	14.937	+17.646	1.00	43.2542	9.6	...	* 23.564	-17.105	1.30	44.2602	9.2	34.172	+ 34.166	- 4	
...	15.078	+41.108	- 2	43.2544	10.2	...	23.733	+15.914	0.90	43.2562	9.8	34.334	-33.768	- 5	a	...	
...	15.147	+ 7.805	- 5	* 23.964	-59.272	- 5	* 34.363	+22.749	2.00	43.2584	8.8	
...	15.344	+27.635	- 5	* 24.037	+23.218	1.00	43.2563	9.6	* 34.487	+45.386	1.00	43.2582	9.8	
471	...	...	...	...	...	531	...	...	...	...	...	591	...	...	...	...	...
...	+15.352	+44.320	- 3	43.2545	10.2	...	+24.310	-21.089	- 3	...	...	...	* 34.515	-21.519	1.10	43.2585	9.4
...	15.508	+40.463	- 3	24.615	+ 3.606	0.70	43.2564	10.2	34.613	+49.628	1.00	43.2583	9.8	
*	15.816	+13.237	1.00	43.2546	9.6	...	24.680	+11.462	- 4	† 34.798	- 5.441	- 2	44.2615	10.2	
...	16.245	+32.293	- 1	43.2547	10.0	...	24.806	-26.590	1.20	44.2605	9.1	35.089	+ 6.135	0.75
...	16.530	-29.455	- 5	24.974	+41.754	- 5	* 35.110	-55.058	3.00	43.2586	8.2	
n	+16.580	+ 1.610	- 3	43.2550	8.3	...	+25.159	-17.472	- 4	+35.361	-15.127	- 5	44.2616	10.2
...	16.647	+55.780	- 5	25.575	+41.526	- 5	35.498	-15.365	- 4
*	16.659	+30.512	0.95	43.2548	9.8	...	25.651	-13.695	0.90	44.2606	10.0	* 35.503	-15.924	1.00	44.2617	9.6
...	16.672	+21.686	- 3	26.289	+15.361	0.85	43.2565	10.2	35.614	-17.516	0.85	44.2618	9.8
*	16.745	+12.363	1.50	43.2549	8.9	...	26.376	-30.265	0.65	* 35.647	- 5.411	- 5
481	...	...	...	...	...	541	...	...	...	...	...	601	...	...	...	...	...
...	+16.797	-13.253	- 5	+26.402	-51.118	- 1	44.2607	10.2	+35.668	-27.996	0.80	43.2587	10.0
n*	16.849	+ 1.460	2.30	26.569	+ 2.528	- 5	* 35.746	-31.457	2.00	44.2619	8.4
n	16.992	+ 1.587	- 3	43.2550	8.3	...	26.700	-41.510	0.80	44.2608	10.2	35.782	-19.867	- 4
...	16.995	+29.806	- 5	26.707	-51.008	- 5	36.043	-42.437	- 5
...	17.177	-39.109	- 4	27.047	-49.836	0.90	44.2609	9.9	36.365	+25.496	0.65	43.2588	10.3
...	+17.239	-32.074	- 4	+27.232	-47.730	- 1	44.2610	10.2	* 36.477	-18.072	1.15	44.2620	9.4
...	17.599	+40.879	- 4	27.236	+ 8.224	- 5	* 36.564	-44.151	1.00	44.2621	9.7
...	17.639	+37.176	- 4	27.254	+29.111	- 4	36.607	+ 6.118	0.75	43.2589	10.3
...	17.639	-38.035	0.80	44.2592	9.8	...	27.282	+49.293	- 3	36.767	+45.309	- 5
*	17.789	+31.371	1.00	43.2551	9.8	...	27.321	-46.177	- 3	37.044	-58.680	- 1	44.2622	9.8
491	...	...	...	...	...	551	...	...	...	...	...	611	...	...	...	...	...
*	+17.981	+ 8.439	1.00	43.2552	9.6	...	+27.378	+48.846	- 3	...	...	...	...	...	...	...	...
...	18.042	+42.993	- 4	...	...	...	* 27.512	+57.609	1.10	42.2478	9.4	...	...	...	...	...	...
...	18.222	-47.556	- 5	...	...	...	27.618	+35.547	- 5	...	...	...	...	...	...	...	...
...	18.531	-54.483	- 3	44.2593	10.2	...	27.733	+11.723	- 4	...	...	...	...	...	...	...	...
S*	18.537	+57.641	3.00	42.2458	7.6	S*	28.096	+18.218	3.00	43.2566	8.0	...	...	...	...	...	...
...	+18.586	+37.287	- 4	...	...	...	* 28.133	-37.039	1.00	44.2611	9.6	...	...	...	...	...	...
...	18.917	+43.627	- 2	43.2553	10.2	...	28.167	-33.040	- 2	...	...	...	...	...	...	...	...
...	19.087	+33.595	- 3	...	...	...	28.287	+ 4.016	0.90	43.2568	9.8	...	...	...	...	...	...
...	19.125	-58.846	0.80	44.2595	10.0	...	28.512	+58.874	- 5	...	...	...	...	...	...	...	...
...	19.195	-25.695	- 1	44.2594	9.9	...	* 28.572	+15.854	1.10	43.2569	9.5	...	...	...	...	...	...
501	...	...	...	...	...	561	...	...	...	...	...	621	...	...	...	...	...
...	+19.533	-36.026	- 3	44.2596	10.2	...	+28.697	+55.056	0.65	43.2567	10.2	...	...	...	...	...	...
...	19.630	+22.385	- 4	43.2554	10.2	...	29.090	-26.374	0.90	44.2612	10.0	...	...	...	...	...	...
...	19.904	+52.978	- 5	...	...	...	29.107	+28.070	- 5	...	...	...	...	...	...	...	...
...	20.389	-19.075	- 5	...	...	...	29.462	+30.939	- 5	a	...	...	...	...	...	...	...
...	20.632	+47.138	- 1	43.2555	10.2	...	29.479	-43.928	- 5	b	...	...	...	...	...	...	...
...	+20.648	-35.530	- 5	...	...	...	+29.534	- 0.460	- 4	...	...	...	...	...	...	...	...
...	20.771	-13.439	- 4	...	...	...	30.195	+32.738	0.90	43.2570	10.0	...	...	...	...	...	...
...	20.823	-34.004	- 5	...	...	...	† 30.478	-49.936	- 3	...	...	...	...	...	...	...	...
n	20.940	+37.277	- 4	...	...	...	30.535	-20.469	- 3	...	...	...	...	...	...	...	...
n	20.960	+37.170	- 5	43.2556	10.2	...	* 30.688	- 1.104	1.05	43.2572	9.6	...	...	...	...	...	...

456, 457. C.P.D., suspected double.

476, 482, 483. C.P.D., possibly mass

509, 510. C.P.D., probably mass

Notes.	Co-ordinates.		Diam. -5-	C.P.D.		Notes.	Co-ordinates.		Diam. -5-	C.P.D.		Notes.	Co-ordinates.		Diam. -5-	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-670						671-710						711-733					
631	...	...	...	...	...	671	...	...	...	...	...	711	...	...	...	...	...
...	+40°601	+49°346	- 5	...	...	*	+47°630	+32°504	1·40	43.2603	9·4	...	+55°040	+24°089	0·80	43.2617	9·9
...	40°689	+27°833	- 5	...	...	...	47°769	- 2°889	0·90	43.2604	9·8	...	55°208	-40°382	- 3	44.2655	10·2
...	40°743	+31°325	- 5	...	...	...	47°824	+ 9°453	- 5	...	...	e	55°210	- 0°703	- 1	43.2620	10·2
...	40°748	+22°818	0·80	43.2596	10·0	...	47°989	-44°076	- 5	e	...	...	55°518	+11°116	- 2	43.2621	10·2
...	41°169	-46°015	- 1	44.2629	10·0	*	48°207	+59°171	1·50	42.2532	9·4	...	55°670	+40°517	1·10	43.2619	9·8
*	+41°508	-53°527	1·30	44.2630	9·3	...	+48°854	- 8°270	- 1	44.2646	10·0	...	+55°673	+16°392	- 3	...	...
...	41°973	-23°407	- 4	...	...	...	49°588	-40°417	- 3	44.2647	10·2	...	55°959	- 4°623	0·65	43.2623	10·2
...	42°544	+22°649	- 4	...	...	...	50°069	-35°147	- 3	...	...	...	56°016	-10°970	- 2	44.2656	10·2
*	42°641	- 5°256	0·95	44.2631	9·7	...	50°337	-21°779	- 1	44.2648	9·9	...	56°157	+56°164	0·90	42.2544	9·8
S *	42°672	-46°778	2·00	44.2632	8·6	...	50°352	-26°475	0·75	44.2649	10·0	...	56°222	-20°786	- 2	44.2657	10·2
641	...	...	...	...	...	681	...	...	...	...	...	721	...	...	...	...	...
...	+42°721	+48°760	- 4	...	...	*	+50°526	+18°630	1·00	43.2605	9·8	...	+56°553	+52°743	- 1	43.2622	9·9
...	43°115	+44°406	0·85	43.2597	9·8	...	50°563	+16°428	1·80	43.2606	9·3	*	56°982	+ 5°604	0·95	43.2624	10·0
...	43°294	-28°679	- 4	...	...	...	50°738	- 6°270	- 3	44.2650	10·2	...	57°007	-21°779	- 2	...	...
...	43°509	-37°839	- 3	44.2633	10·0	...	50°877	+ 9°257	- 2	43.2607	10·2	...	57°066	+21°566	- 5	...	...
...	44°147	-39°732	0·85	44.2636	9·9	e *	51°340	- 0°507	1·30	43.2608	9·6	...	57°309	+ 3·489	0·80	43.2625	10·2
...	+44°191	+56°079	0·90	42.2521	9·8	...	+51°474	-18°148	- 5	...	...	...	+58°652	+ 1·575	0·90	43.2628	9·9
...	44°345	+39°056	- 5	...	...	...	51°833	+40°852	- 4	...	...	...	58°662	+12°013	- 4	...	...
...	44°419	- 7°571	0·80	44.2634	10·0	...	51°957	- 4°502	- 4	...	...	*	58°775	+47°166	1·40	43.2626	9·5
S *	44°424	-17°668	3·00	44.2635	8·2	*	51°982	+ 6°184	2·10	43.2609	8·8	...	58°850	+17°947	- 3	43.2629	10·2
*	44°425	- 3°840	0·90	43.2598	9·8	*	52°297	-10°117	1·00	44.2651	9·7	...	58°864	+29°502	- 3	...	...
651	...	...	...	...	...	691	...	...	...	...	...	731	...	...	...	...	...
...	+44°570	+ 7°815	- 2	...	...	...	+52°417	- 0°810	- 4	...	...	...	+58°868	+51°742	- 1	43.2627	9·9
...	44°784	-50°093	- 3	44.2638	10·2	*	52°502	+26°316	1·00	43.2610	9·9	...	58°966	+17°253	- 4	...	...
*	44°817	-41°193	1·40	44.2637	9·3	*	52°852	-11°887	1·40	44.2652	9·2	...	59°087	-17°210	0·90	44.2658	10·0
...	44°829	-39°518	- 4	...	...	...	52°964	+12°274	- 4	...	...	...	...	...	...	...	...
...	45°030	-47°613	- 1	44.2640	10·0	...	53°015	- 0°799	- 5	e	...	...	...	...	...	...	...
...	+45°164	-27°591	- 3	44.2639	10·2	...	+53°054	+53°913	- 2	43.2611	10·0	...	...	...	...	...	...
...	45°336	+35°029	0·90	43.2599	9·8	...	53°110	-11°784	- 5	e	...	...	...	...	...	...	...
...	45°347	-20°703	0·90	44.2641	10·0	...	53°119	+32°637	- 5	...	...	...	...	...	...	...	...
...	45°655	-16°017	- 4	...	...	...	53°330	+34°429	- 2	43.2612	10·2	...	...	...	...	...	...
...	45°696	-12°063	- 5	a	...	...	53°355	+16°524	- 4	...	...	...	...	...	...	...	...
661	...	...	...	...	...	701	...	...	...	...	...	...	...	...	...	...	...
*	+45°887	-52°433	1·20	44.2642	9·5	†	+53°715	- 9°992	- 4	...	...	...	...	...	...	...	...
...	45°930	+37°029	- 4	...	...	...	53°751	+14°779	- 3	...	...	...	...	...	...	...	...
...	46°409	+19°710	- 5	a	...	...	53°769	+50°949	- 3	43.2613	10·2	...	...	...	...	...	...
†	46°420	-44°889	1·00	44.2643	9·6	...	53°810	+22°762	0·85	43.2614	10·0	...	...	...	...	...	...
*	46°440	+37°997	1·10	43.2600	9·7	...	54°119	+28°543	- 4	...	...	...	...	...	...	...	...
...	+46°441	- 2°827	- 3	43.2602	10·2	*	+54°145	+18°761	1·00	43.2616	9·8	...	...	...	...	...	...
n	46°772	-53°688	- 4	44.2644	10·2	...	54°295	-15°440	- 5	...	...	...	...	...	...	...	...
*	46°884	+36°689	1·10	43.2601	9·7	...	54°506	+36°312	0·90	43.2615	9·8	...	...	...	...	...	...
*	47°001	-56°448	1·00	44.2645	9·6	†	54°626	-53°676	- 4	44.2654	10·2	...	...	...	...	...	...
...	47°421	+19°692	- 5	...	...	*	54°974	+ 4°263	0·95	43.2618	9·8	...	...	...	...	...	...

667. C.P.D., includes another star not measured on this plate.

1-10						11-20						21-30					
I	Co-ordinates.		Diam. -5-	C.P.D.		II	Co-ordinates.		Diam. -5-	C.P.D.		2I	Co-ordinates.		Diam. -5-	C.P.D.	
†	x.	y.		No.	Mag.	x.	y.	No.		Mag.	x.	y.	No.	Mag.			
...	-60°059	- 3°068	1·00	43.2604	9·8	...	-57°382	- 7°811	- 4	...	...	...	-56°510	+53°853	- 2	43.2611	10·0
...	59°612	-53°756	- 5	44.2644	10·2	...	57°368	+20°828	- 5	...	...	*	56°226	+26°252	1·00	43.2610	9·9
...	59°524	-53°902	- 5	...	...	...	57°343	+ 9°164	0·70	43.2607	10·2	*	56°124	+ 6°113	2·00	43.2609	8·8
*	59°206	-56°645	1·05	44.2645	9·6	...	57°336	+40°759	- 4	...	...	...	55°911	-18°225	- 5	...	...
...	58°824	- 8°431	0·75	44.2646	10·0	...	57°109	-40°553	- 4	44.2647	10·2	...	55°840	- 4°575	- 4	...	...
...	-58°601	-44°258	- 5	E	...	...	-56°998	- 6°370	0·65	44.2650	10·2	...	-55°800	+32°586	- 5	...	...
...	58°196	+22°350	- 5	...	...	...	56°931	-21°898	0·80	44.2648	9·9	...	55°691	+50°919	- 4	43.2613	10·2
*	57°967	+18°509	1·00	43.2605	9·8	...	56°798	-35°267	- 4	...	...	...	55°654	+34°393	- 1	43.2612	10·2
*	57°861	+16°307	1·80	43.2606	9·3	*	56°774	-26°586	0·85	44.2649	10·0	...	55°483	- 0°864	- 5	...	...
...	57°661	+20°640	- 5	...	...	E *	56°571	- 0°597	1·05	43.2608	9·6	...	55°465	-13°371	- 5	B	...

L measured from 1, 252, 516.
MC " " 136, 380, 675.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-55°340	+12°230	-4	...	...	91	-46°334	-39°348	3	44.2660	10.2	151	-37°687	24°695	2.50	44.2677	8.4
...	55°328	-10°162	1.00	44.2651	9.7	...	46°262	-11°517	-3	...	...	...	37°649	-34°258	0.90	43.2649	9.9
†	55°081	+16°494	-4	...	...	*	46°255	+10°109	5.00	43.2636	6.4	...	37°567	+16°146	-5	...	...
...	54°906	-0°834	-5	E	...	...	46°230	-32°112	-5	A	...	...	37°387	+2°020	1.80	43.2650	8.9
...	54°814	+22°745	0.95	43.2614	10.0	*	46°092	+3°605	0.95	43.2637	10.0	...	37°095	+3°151	-4	...	...
*	-54°717	-11°919	1.30	44.2652	9.2	...	-46°051	-41°727	-5	A	...	...	-36°818	+32°238	-5	...	...
...	54°687	+42°758	-5	...	...	...	46°034	-12°957	0.80	44.2661	10.2	...	36°431	-42°207	-3	...	...
...	54°679	+28°526	-5	...	...	*	45°958	+51°820	1.80	43.2639	9.1	S*	36°359	51°240	2.05	44.2678	8.8
...	54°644	+14°764	-2	...	...	...	45°610	+27°602	0.65	43.2638	10.2	*	36°346	+1°213	1.20	43.2651	9.6
...	54°533	+36°311	1.00	43.2615	9.8	...	45°589	-13°574	-3	...	...	...	36°231	-10°852	-4	...	...
41	-54°473	-11°811	-4	E	...	101	-45°475	+25°232	-5	...	...	161	-36°055	+40°807	-1	43.2652	10.2
...	54°373	+19°200	-5	...	...	*	45°250	+21°872	1.50	43.2640	9.0	...	35°995	-3°502	-5	A	...
*	54°364	+18°748	1.00	43.2616	9.8	...	45°240	+47°535	-3	43.2641	10.2	*	35°487	+2°360	1.90	43.2653	8.9
...	54°338	-12°569	-5	B	...	...	44°873	+43°450	-3	43.2642	10.2	†	35°440	-14°961	0.80	44.2679	9.8
†	53°922	-10°015	-3	...	...	...	44°763	-26°817	-4	...	...	...	35°242	-14°580	0.65	44.2681	10.0
...	-53°624	+24°109	0.95	43.2617	9.9	*	-44°641	-44°652	1.05	44.2663	9.7	*	-34°964	+3°657	1.10	43.2654	9.6
...	53°509	+24°375	-5	...	...	...	44°427	+1°342	-5	...	...	...	34°949	-55°940	-4	44.2680	9.8
*	53°499	+40°549	1.05	43.2619	9.8	*	44°359	+29°259	2.00	43.2643	8.8	...	34°943	-56°045	-3	...	...
...	53°471	+56°196	-1	42.2544	9.8	*	44°339	-33°329	2.00	44.2664	8.7	*	34°683	+49°105	1.10	43.2655	9.7
...	53°183	-15°436	-4	...	...	...	44°250	+16°571	-2	...	...	...	34°620	+43°631	-3	...	...
51	-53°085	+4°287	0.95	43.2618	9.8	111	-44°152	+41°652	2.00	43.2644	8.8	171	-34°566	-38°587	-2	43.2656	10.2
...	52°970	+52°793	-1	43.2622	9.9	*	43°904	-28°089	-4	B	...	...	34°102	-50°270	0.80	43.2659	9.8
...	52°764	+16°425	-2	...	...	...	43°618	-45°898	0.95	44.2665	9.8	*	34°042	-39°819	1.10	43.2658	9.6
...	52°756	+11°150	0.80	43.2621	10.2	*	43°557	-53°536	1.35	44.2666	9.2	...	33°958	+58°886	-3	42.2592	10.3
E	52°704	-0°678	0.70	43.2620	10.2	...	43°509	+17°757	-4	...	...	...	33°946	-26°211	0.80	43.2657	10.0
...	-52°560	+48°300	-5	...	...	...	-43°155	+48°956	-4	...	...	...	-33°249	-38°252	-3	...	...
...	52°457	-15°596	-4	B	...	...	42°902	-3°562	-5	...	...	*	32°778	-17°332	1.40	43.2660	9.3
...	52°455	-32°300	-5	B	...	...	42°865	+29°292	-5	...	...	...	32°691	-17°603	-4	...	...
...	52°124	+28°538	-5	...	...	...	42°196	+11°966	-5	...	...	...	32°613	-57°613	-5	...	...
...	51°840	-4°568	0.85	43.2623	10.2	...	41°983	+29°300	-1	...	...	...	32°451	+58°842	-5	...	...
61	-51°656	-53°634	-4	44.2654	10.2	121	-41°916	-23°654	6.00	44.2667	5.9	181	-32°407	-13°321	1.00	44.2682	9.6
...	51°581	-10°912	0.65	44.2656	10.2	...	41°468	-18°329	-4	...	...	...	31°686	-24°496	-5	A	...
...	51°561	+30°382	-4	...	...	...	41°427	-34°042	-5	A	...	...	31°586	-47°230	0.00	44.2683	10.2
...	51°506	+21°637	-5	...	...	...	41°343	+12°720	0.70	...	...	...	31°389	-16°301	-3	...	...
...	51°506	-40°333	-2	44.2655	10.2	...	41°282	+20°412	-3	...	...	...	31°344	-55°524	-3	...	...
*	-51°125	+5°685	0.95	43.2624	10.0	...	-41°181	+5°685	-5	B	...	*	-31°232	-23°642	2.00	43.2601	9.1
...	51°075	-20°718	0.65	44.2657	10.2	...	41°078	+23°885	-3	...	...	...	30°283	-58°906	-5	A	...
...	51°010	-21°522	-5	...	...	*	40°922	+13°904	3.00	43.2645	8.0	...	30°104	-18°340	-3	...	...
...	50°733	+3°584	0.85	43.2625	10.2	...	40°904	-53°400	-4	44.2668	10.2	...	30°058	-48°110	-4	...	...
...	50°640	+51°862	-1	43.2627	9.9	...	40°774	+6°784	-3	...	...	...	29°893	+53°516	0.90	43.2602	9.9
71	-50°596	+47°283	1.25	43.2626	9.5	131	-40°621	-5°999	-4	...	...	191	-29°820	42°297	0.95	44.2684	9.8
*	50°270	-21°697	0.65	...	...	...	40°411	-6°996	-3	...	...	...	29°659	+51°366	-5	...	...
...	49°978	+29°639	-2	...	...	...	40°360	+23°633	-3	...	...	...	29°567	-27°888	-5	B	...
...	49°644	+18°083	0.85	43.2629	10.2	†	40°185	-0°828	1.00	43.2646	9.8	...	29°520	-56°296	-2	42.2603	10.2
...	49°630	+12°148	-4	...	...	†	40°180	-37°897	-4	44.2670	10.2	...	29°153	-27°365	0.95	43.2603	9.9
...	-49°493	+17°388	-5	...	...	...	-39°917	+23°154	-4	...	...	*	-29°151	-24°140	4.50	44.2685	7.4
*	49°339	+1°706	1.00	43.2628	9.9	...	39°771	+31°207	-3	...	...	...	29°135	-46°627	1.00	44.2686	9.6
...	48°722	-40°193	-5	B	...	†	39°679	-29°846	1.20	44.2671	9.3	...	29°078	+50°900	-1	43.2604	10.2
...	48°389	-34°365	-5	A	...	†	39°635	+3°341	-5	...	...	...	28°990	-26°848	-4	...	...
*	48°367	+13°881	1.00	43.2630	10.0	*	39°537	-31°208	1.40	44.2672	9.2	...	28°622	-57°939	0.95	42.2604	9.8
81	-48°331	-17°055	1.00	44.2658	10.0	141	-39°374	-0°588	-1	43.2647	10.2	201	-28°306	-7°704	-4	44.2687	10.2
...	48°119	+43°321	-4	...	...	...	39°351	-22°707	-2	44.2673	10.2	...	28°442	+18°075	-3	43.2605	10.2
...	48°078	+17°681	0.80	43.2631	10.2	...	39°277	+12°322	-5	B	...	*	28°350	-28°106	1.10	44.2688	9.6
...	47°663	-49°284	-5	B	...	...	38°669	-8°198	-3	...	...	...	28°342	-8°548	-5	...	...
...	47°581	+13°898	0.85	43.2632	10.2	...	38°575	54°616	-5	B	...	...	28°290	-13°376	0.85	44.2689	9.8
*	-47°360	+39°417	1.15	43.2634	9.4	*	-38°405	-58°094	1.00	44.2675	9.6	...	-27°788	+9°210	-1	43.2606	10.2
...	47°314	-8°986	0.80	44.2659	10.2	...	38°078	-55°141	-5	A	...	*	27°670	-58°008	1.30	44.2690	9.6
S*	47°191	+5°372	2.80	43.2633	8.5	...	38°054	-41°083	-1	44.2676	10.0	*	27°480	-47°470	1.00	44.2691	9.8
...	47°117	+5°734	-4	...	...	...	38°048	+1°611	-1	43.2648	10.2	...	27°024	+5°103	-4	...	...
*	46°966	+24°596	3.00	43.2635	8.3	...	37°967	+30°938	-4	...	...	...	26°970	-45°235	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
211-270						271-330						331-390						
211	-26.968	-11.661	-5	A	...	271	-16.512	-57.065	1.00	44.2709	9.8	331	-5.606	-54.355	-4	...	...
...	26.919	-7.447	-5	...	...	...	16.508	-49.279	-5	A	...	...	*	5.485	+54.909	2.50	43.2699	8.5
...	26.877	+48.106	-5	...	...	...	16.329	-9.650	1.05	44.2711	9.6	...	...	5.412	+28.658	-2	...	...
...	26.821	+6.320	-4	...	...	...	16.277	-3.908	2.00	43.2678	9.0	...	...	5.377	+50.604	0.90	43.2700	10.0
*	26.764	-11.668	1.10	44.2692	9.6	...	16.099	+20.378	0.85	43.2679	10.2	...	...	5.377	-57.315	-5	...	...
...	-26.759	+42.335	0.75	43.2667	10.2	...	-16.080	-48.598	0.65	44.2712	10.0	...	...	-5.175	-35.975	-5	...	...
...	26.713	-20.483	-5	B	...	...	15.668	-57.006	1.00	44.2713	10.0	*	...	4.839	+51.402	1.35	43.2701	9.4
*	26.394	-16.757	2.90	44.2693	8.5	...	15.461	+13.259	1.00	43.2680	9.8	*	...	4.826	+6.304	2.10	43.2702	9.0
*	26.364	-38.419	1.50	44.2694	9.2	...	15.240	+33.924	1.00	43.2681	9.7	†	...	4.669	-54.798	-4	...	...
...	26.287	+46.131	-5	...	...	...	15.173	-48.520	1.10	44.2714	9.5	*	...	4.449	+48.312	1.00	43.2703	9.7
221	-26.257	-5.944	1.80	44.2695	9.3	281	-15.091	-3.677	-5	...	...	341	-4.446	+18.905	-5	...	...
...	26.110	+50.356	-4	...	...	†	14.716	+44.903	-4	...	...	...	4.276	-58.451	-1	44.2724	10.2	
...	26.101	-51.819	-5	A	...	*	14.682	+34.555	1.00	43.2682	9.8	*	...	4.078	-47.511	1.30	44.2723	9.1
...	25.967	-9.565	-5	B	...	...	14.530	+43.951	-5	...	...	...	...	3.992	-57.390	-4	...	...
*	25.597	-56.710	1.30	44.2696	9.6	...	14.463	-13.381	-5	...	...	...	...	3.851	+2.029	-1	43.2704	9.8
...	-25.386	-11.658	-4	44.2697	10.2	...	-14.379	+27.445	-4	...	...	...	...	-3.814	-53.939	-5	M	...
†	25.201	+2.083	-3	...	...	...	14.035	+28.301	-4	43.2683	10.2	...	...	3.606	+23.069	-5	...	...
...	25.023	-52.511	-3	...	...	...	13.776	+11.419	-3	...	...	†	...	3.583	-59.851	-1	...	...
...	24.909	+50.807	-4	...	...	...	13.763	-53.193	-5	B	...	...	...	3.580	-52.096	-2	...	...
...	24.842	-25.659	-5	A	...	...	13.162	+54.493	-5	...	...	*	...	3.364	+34.099	1.00	43.2705	9.8
231	-23.518	-9.699	2.00	44.2698	8.8	291	-12.511	-39.979	0.85	44.2716	9.9	351	-3.351	+45.068	-3	...	...
*	23.264	-14.163	1.80	44.2699	9.0	...	12.231	+47.578	-4	...	...	*	...	3.325	-40.323	1.00	44.2725	9.6
...	23.180	+10.258	-4	...	...	...	12.155	-3.860	-5	A	...	...	...	3.300	+33.702	-1	...	...
...	22.948	+56.231	-2	42.2619	10.3	*	12.131	+24.504	3.00	43.2684	8.0	S*	...	3.164	+39.388	3.00	43.2706	7.8
...	22.690	-19.329	-3	...	...	...	11.898	+9.218	1.00	43.2685	9.7	...	...	3.079	+52.517	0.90	43.2707	10.2
*	-22.651	-7.020	1.80	44.2700	9.0	...	-11.816	-45.767	-5	A	...	...	...	-3.042	-45.041	-2	M	...
...	21.916	-18.599	-2	44.2702	10.2	*	11.492	-35.836	1.10	44.2718	9.6	...	...	-2.807	-43.606	-4	...	...
*	21.801	-57.951	1.30	44.2701	9.4	...	11.317	-42.702	-5	...	...	...	...	2.769	+18.392	-4	...	...
†	21.718	+34.908	1.00	43.2668	9.7	...	11.260	+36.952	0.75	43.2686	10.2	...	...	2.722	+51.210	-5	...	...
...	21.675	+32.548	-1	43.2669	10.2	...	11.196	+16.815	-4	...	...	...	...	2.574	-5.255	-3	44.2726	10.2
241	-21.473	-57.553	0.85	44.2703	9.8	301	-10.747	+4.120	-5	43.2687	10.2	361	-2.460	-10.071	-2	44.2727	10.2	
*	21.317	+58.110	1.20	42.2624	9.6	*	10.542	+7.485	1.00	43.2688	9.7	*	...	2.237	-50.389	1.30	44.2728	9.1
...	21.258	-32.913	-5	A	...	...	10.360	-47.455	-2	...	...	...	...	2.123	+29.692	0.70	43.2708	10.0
...	21.116	+22.049	0.85	43.2670	9.9	†	10.241	+26.768	-4	43.2689	10.2	...	...	2.119	+53.275	-5	...	...
...	21.076	-43.070	-3	...	...	...	9.847	-56.726	1.00	44.2719	9.8	...	...	-2.046	-57.540	-3	...	...
*	-20.989	-10.723	1.80	44.2704	9.2	...	-9.769	+31.605	0.80	43.2691	10.0	*	...	-1.790	+36.299	1.50	43.2709	8.8
...	20.888	+28.410	-3	...	...	...	9.698	+43.784	1.00	43.2690	9.8	...	...	1.605	+31.148	-1	43.2710	10.2
...	20.600	-17.864	-5	...	...	...	9.626	-29.573	-2	...	...	...	...	1.443	-58.227	-4	...	...
*	20.572	+35.988	1.80	43.2671	9.1	...	9.493	+40.371	-5	...	...	...	...	1.417	-53.290	-5	M	...
...	20.515	-5.676	-1	44.2705	9.9	...	9.443	+31.482	1.00	43.2692	9.8	...	...	1.372	-17.308	-4	...	...
251	-20.353	+22.266	-5	...	...	311	-9.160	-52.162	-4	...	...	371	-1.222	-55.669	0.65	44.2729	10.2	
*	19.744	+28.847	1.10	43.2672	9.6	*	9.003	-11.639	1.30	44.2720	9.2	...	...	1.148	+20.679	-5	...	...
*	19.657	-5.960	1.20	44.2706	9.2	...	8.923	-2.502	-5	A	...	...	...	0.826	+40.640	0.95	43.2711	9.8
*	19.626	+25.267	1.00	43.2673	9.6	...	8.870	+40.690	-2	...	...	*	...	0.643	+41.034	1.15	43.2712	9.4
...	19.532	+1.909	-4	...	...	...	8.401	+46.336	1.10	43.2693	9.7	...	...	0.597	+38.958	-3	...	...
...	-19.328	-39.417	-5	...	...	...	-8.202	-30.364	-3	...	...	...	...	-0.554	+21.010	-4	...	...
...	19.050	-44.103	-4	...	...	...	8.152	+18.935	2.00	43.2694	9.0	...	...	0.484	+41.775	-4	...	...
...	18.955	-31.999	-5	B	...	S*	7.864	+17.796	3.00	43.2695	8.3	...	...	0.371	-11.795	-5	M	...
S*	18.819	-4.695	2.70	43.2674	8.4	*	7.566	+2.556	2.10	43.2696	8.8	†	...	0.324	-44.205	-2	...	...
*	18.657	-39.750	1.05	44.2707	9.6	...	7.524	-46.055	-5	...	...	...	...	0.203	-43.010	-4	M	...
261	-18.464	+44.375	1.20	43.2675	9.2	321	-7.126	+58.449	1.00	42.2656	9.8	381	-0.115	-11.171	-2	44.2730	10.2	
...	18.060	+25.506	-5	...	...	*	6.601	-25.597	1.00	44.2721	9.8	...	...	-0.087	-55.182	-5	M	...
...	17.952	+40.471	0.65	...	...	...	6.383	-24.291	-5	...	...	*	...	+0.154	-58.212	1.50	44.2731	9.2
*	17.748	+28.741	2.10	43.2676	8.8	†	6.198	-19.980	-5	...	...	...	...	0.333	+13.084	-1	43.2713	10.2
...	17.530	+55.018	-5	...	...	...	6.016	+43.760	-3	...	...	...	...	0.445	-58.883	-4	...	...
...	-17.441	-54.720	-5	A	...	...	-5.834	+18.969	-5	...	...	...	...	+0.789	+4.077	-3	43.2716	10.0
*	17.308	+30.999	2.80	43.2677	8.5	...	5.741	+51.290	-5	...	...	...	...	0.799	+36.168	-2	43.2714	10.2
...	16.843	-43.960	-3	44.2708	10.2	...	5.655	+31.150	-2	43.2698	10.2	*	...	0.901	+30.853	1.20	43.2715	9.6
...	16.720	-13.977	-4	...	...	...	5.645	-56.150	-3	...	...	...	...	0.925	-11.407	-4	44.2732	10.2
...	16.646	-24.757	0.70	44.2710	9.8	*	5.622	+48.669	1.00	43.2697	9.8	...	...	1.303	-39.480	-2	44.2733	10.2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
391-450						451-510						511-570						
391	+ 1.618	-48.488	0.85	44.2735	9.8	451	+ 11.358	+ 9.378	2.00	43.2726	9.0	511	+ 19.255	-41.665	- 4	44.2773	10.2	
...	1.676	-18.047	1.00	44.2734	9.7	...	11.466	-35.883	- 4	...	...	...	19.327	-46.678	- 3	...	...
...	* 1.758	-39.621	2.10	44.2736	8.7	...	* 11.644	+51.792	1.80	43.2727	9.1	19.399	-12.882	- 4
...	2.170	-53.089	- 4	...	...	...	11.683	- 3.617	- 5	...	...	...	19.422	-33.094	- 4	...	...
...	2.209	+28.995	- 5	...	...	...	* 11.723	- 9.748	2.30	44.2759	8.8	n	19.443	-41.683	- 5	44.2773	10.2
...	* + 2.312	+ 1.578	1.20	43.2717	9.4	...	* + 11.760	-57.742	1.10	44.2760	9.6	+ 19.760	-59.728	- 1	44.2774	10.2
...	* 2.463	+36.681	1.20	43.2719	9.4	...	...	11.913	- 2.080	- 5	...	...	* 19.798	- 4.760	1.00	43.2746	9.6
...	* 2.469	+53.612	2.00	43.2718	8.7	...	...	11.951	-50.185	- 4	...	...	* 19.979	- 2.891	2.00	43.2747	8.6
...	2.885	-48.672	0.85	44.2737	9.8	12.301	-59.622	0.90	44.2761	9.8	...	* 20.258	-22.820	1.10	44.2775	9.4
...	3.102	-53.808	- 5	12.513	+26.742	0.95	43.2728	9.8	...	* 20.276	+18.264	1.15	43.2748	9.5
401	* + 3.342	- 9.209	1.20	44.2738	9.2	461	* + 12.631	+ 4.471	3.00	43.2729	8.0	521	* + 20.387	-24.723	1.00	44.2776	9.6	
...	3.371	-25.073	- 4	...	...	...	12.650	+51.355	- 5	...	...	...	20.394	-39.231	- 5	...	...
...	3.389	-35.344	0.90	44.2739	9.7	n	12.743	- 5.658	2.10	44.2762	8.4	...	* 20.451	- 4.832	1.20	43.2749	9.4	
...	3.396	+19.140	- 4	...	...	...	12.745	+49.904	- 3	...	...	...	* 20.501	-21.112	0.95	44.2777	9.7
S	* 3.529	-36.195	3.00	44.2740	8.1	...	12.814	- 0.699	- 3	43.2730	10.0	...	20.552	- 7.348	- 5	...	...
...	+ 3.604	+34.020	- 5	...	...	n	+ 12.860	- 5.555	0.90	44.2762	8.4	...	+ 20.564	-18.474	- 5	...	...
...	3.873	-47.801	- 2	44.2741	10.2	...	12.958	-51.003	- 4	...	...	...	+ 20.649	+ 4.924	1.00	43.2750	9.6
...	* 3.876	-10.923	1.00	44.2742	9.6	...	13.115	- 1.387	- 2	43.2731	10.0	...	20.712	+ 1.135	- 1	...	...
...	* 3.921	-11.721	- 1	44.2743	9.8	...	13.269	+ 2.328	1.90	43.2732	8.8	...	20.953	+47.763	- 5	...	...
...	* 4.113	+10.122	1.30	43.2720	9.5	...	13.310	+55.350	- 5	...	...	...	20.989	-19.018	0.95	44.2778	9.8
411	+ 4.137	+23.164	- 5	...	...	471	+ 13.584	+ 2.454	- 4	...	...	531	+ 21.019	-14.377	- 4	...	...
...	* 4.292	-34.597	2.00	44.2744	8.8	...	13.615	-11.043	3.00	44.2763	8.1	...	* 21.079	-28.936	1.10	44.2779	9.6	
...	4.387	-55.148	- 5	M	...	...	13.985	- 0.106	1.80	43.2733	9.1	...	21.709	-28.015	- 5	...	...
...	4.418	+40.186	- 1	43.2721	10.2	...	14.005	+35.683	- 4	...	...	...	* 21.900	-48.979	1.00	43.2751	9.6
n	4.690	+32.656	- 5	43.2722	10.2	...	* 14.065	- 4.387	1.20	43.2735	9.6	...	21.946	+33.771	- 5	...	...
†	+ 4.715	+47.563	- 4	...	...	...	+ 14.217	+35.805	- 4	...	...	...	+ 22.023	-42.448	- 5	...	...
n	† 4.727	+32.723	- 5	43.2722	10.2	...	14.245	+ 6.316	- 4	...	...	...	22.192	-20.647	0.90	44.2780	9.9
...	4.799	-28.574	0.70	44.2746	9.8	...	* 14.249	+29.140	1.00	43.2734	9.8	...	* 22.448	- 3.472	1.00	43.2753	9.6	
...	* 5.014	+32.850	0.90	43.2723	10.0	...	† 14.413	- 0.584	1.50	43.2736	9.3	...	* 22.527	-17.650	1.10	43.2752	9.4	
...	5.053	- 3.649	- 5	M	...	...	† 14.718	+37.018	- 4	43.2737	10.2	...	22.571	-10.449	- 5	...	...
421	+ 5.079	+55.186	- 4	...	...	481	+ 14.867	+23.259	- 5	...	...	541	+ 22.625	-52.300	- 4	...	...
...	5.084	+56.273	- 4	...	...	...	14.990	-16.768	- 5	...	...	...	22.788	+29.993	- 4	...	...
...	5.675	-14.060	- 1	44.2748	9.4	...	15.102	+29.652	- 5	...	...	...	22.910	-18.527	- 4	...	...
...	* 5.711	-36.821	1.00	44.2749	9.6	...	15.373	-27.907	- 1	44.2764	10.0	...	23.003	+31.292	- 3	...	...
...	5.762	-36.134	- 5	...	...	...	15.375	+15.201	0.95	43.2738	9.8	...	23.092	-40.573	- 5	...	...
...	* + 6.040	- 8.707	1.40	44.2750	9.2	...	+ 15.671	-26.271	- 4	...	...	...	* + 23.100	- 1.345	1.00	43.2755	9.6
...	6.847	+13.186	- 3	43.2724	10.2	...	15.742	-52.245	- 5	...	...	...	* 23.137	-56.659	1.00	44.2781	9.7
...	7.606	-36.290	- 4	...	...	...	* 15.860	-32.552	1.90	44.2765	9.0	...	23.149	-17.594	- 5	...	...
...	7.703	-46.195	- 3	44.2752	10.2	...	16.018	-15.846	- 1	44.2766	10.0	...	n [23.170	+50.539	- 4	...	...
S	* 7.837	-12.084	3.85	44.2751	7.9	...	* 16.048	-54.705	1.30	44.2767	9.2	n	* 23.203	+50.636	1.00	43.2754	9.6	
431	+ 7.965	+ 3.471	- 4	...	...	491	+ 16.056	-37.949	- 5	...	...	551	+ 23.463	+35.808	- 4	...	...
...	8.433	+47.024	- 1	...	...	...	16.082	-50.851	- 5	...	...	...	23.742	-44.020	- 4	...	...
...	8.668	-13.127	- 3	44.2753	10.2	...	* 16.150	+23.756	1.40	43.2739	9.4	...	23.904	+37.289	- 3	43.2756	10.2	
...	* 8.730	-27.568	2.00	44.2754	8.8	...	16.416	+34.000	- 2	43.2741	10.2	...	23.909	-28.992	0.70	...	...
...	8.859	+25.794	- 5	...	...	...	* 16.450	+40.001	1.90	43.2740	8.9	...	24.324	-53.274	- 4	...	...
...	+ 9.065	-37.862	- 5	...	...	...	+ 16.679	+ 7.513	- 5	...	...	...	† + 24.621	+ 0.298	0.85	43.2757	9.8
...	9.191	+16.263	- 5	...	...	...	* 16.711	+19.579	1.30	43.2742	9.5	...	24.854	-25.145	- 1	44.2782	10.2
...	† 9.835	+19.906	2.10	43.2725	8.8	...	16.844	- 8.855	- 4	...	...	...	25.361	- 6.032	- 2	44.2783	10.2
...	10.027	-25.692	- 3	...	...	...	17.108	+ 8.258	- 5	...	...	...	25.409	+15.672	0.95	43.2759	9.8
...	10.356	- 8.901	- 2	44.2755	10.0	...	17.481	+54.028	- 1	43.2743	10.2	...	25.433	-20.986	- 5	...	...
441	+ 10.386	+35.727	- 4	...	...	501	+ 18.131	-37.358	- 3	...	...	561	+ 25.469	-23.964	1.05	44.2784	9.6
...	10.473	-16.110	- 3	...	...	...	* 18.148	-25.159	1.30	44.2768	9.2	...	* 25.557	+35.349	3.00	43.2758	8.0
...	10.711	+51.255	- 4	...	...	...	18.234	+29.975	- 3	...	...	...	* 25.639	-33.756	1.00	44.2785	9.6
...	10.743	-20.557	- 5	...	...	...	18.407	+46.390	1.00	43.2744	9.9	...	25.730	-33.109	0.70	44.2786	10.0
...	* 10.830	-20.810	1.80	44.2756	9.0	...	* 18.630	-53.071	2.10	44.2770	8.4	...	26.083	- 2.398	- 2	43.2760	10.0	
...	+ 10.901	+26.529	- 4	...	...	...	* + 18.655	- 6.241	1.40	44.2769	9.2	...	+ 26.158	-54.770	- 5	...	...
...	11.036	+37.785	- 5	...	...	...	* 18.785	-41.353	1.10	44.2771	9.6	...	26.417	-50.342	- 5	...	...
...	* 11.289	-40.626	1.20	44.2758	9.4	...	* 19.114	+ 6.832	1.50	43.2745	9.3	...	26.435	-29.545	- 5	...	...
...	11.339	+59.166	- 5	...	...	...	* 19.171	-54.047	1.00	44.2772	9.6	...	* 26.443	-18.679	1.00	44.2788	9.6
...	11.355	-38.112	- 1	44.2757	10.0	...	19.193	+24.847	- 4	...	...	...	26.604	+46.200	- 4	...	...

415, 417. C.P.D., mass.
463, 466. C.P.D., mass.

511, 515. C.P.D., possibly mass.
549, 550. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-5.	No.		Mag.	x.		y.	-5.		No.	Mag.		x.	y.	-5.	No.	Mag.
571-630						631-690						691-750								
571	...	+26°635	+25°383	0·80	43·2761	10·2	631	...	+33°332	-22°602	-3	...	691	...	+41°457	+25°446	-4	...	...
...	...	26°747	+42°338	-5	...	...	...	...	33°365	+6°615	0·80	43·2778	10·2	...	...	41°541	-10°303	1·30	44·2822	9·5
...	...	26°772	-3°665	-5	...	...	...	...	33°377	-15°702	1·00	44·2807	9·8	...	...	41°597	-18°106	-5	...	...
*	...	27°003	+9°525	1·00	43·2762	9·7	...	...	33°395	+28°228	-5	...	...	...	...	41°696	-4°315	0·85	43·2795	10·0
*	...	27°115	+7°705	1·10	43·2763	9·5	...	...	33°728	-17°971	-3	44·2808	10·2	S*	...	41°884	-51°705	2·50	44·2824	8·3
...	...	+27°198	-4°328	1·00	43·2766	9·8	*	...	+33°745	+2°195	1·00	43·2780	10·0	...	...	+42°017	-48°137	-3	...	...
*	...	27°358	+21°603	1·05	43·2764	9·4	*	...	33°788	-19°782	1·00	44·2809	9·6	...	...	42°033	-15°829	-5	...	...
*	...	27°680	-19°392	1·05	44·2789	9·6	*	...	33°907	+52°527	1·10	43·2779	10·0	*	...	42°038	+14°839	0·95	43·2798	9·8
...	...	27°747	+43°489	0·70	43·2765	10·2	...	...	34°064	+40°764	-3	...	...	*	...	42°307	+32°250	1·20	43·2796	9·6
...	...	27°750	-39°128	0·75	44·2790	10·2	...	...	34°123	-4°897	-4	...	...	*	...	42°309	-7°556	1·10	44·2823	9·8
581	...	+27°760	-23°033	-5	...	...	641	...	+34°331	-49°057	-3	44·2810	10·2	701	...	+42°319	+25°605	-1	43·2797	10·0
...	...	27°852	-22°515	-3	...	...	*	...	34°359	+15°937	2·70	43·2781	8·4	...	...	42°464	-15°391	-5	...	...
...	...	27°864	-29°838	-4	...	...	...	...	34°435	+3°778	-5	...	...	...	...	42°571	+32°035	-3	43·2799	10·2
...	...	27°929	-42°350	-2	44·2791	10·2	†	...	34°657	-4°961	-4	43·2782	10·2	...	...	42°580	+18°345	-1	43·2800	10·2
...	...	27°940	-41°591	-5	...	...	†	...	34°664	+55°173	1·00	42·2739	9·7	...	...	43°223	+16°407	-5	...	...
*	...	+27°961	+40°497	1·25	43·2767	9·5	...	...	+34°753	-15°354	-2	44·2811	10·2	*	...	+43°267	+23°759	0·90	43·2801	10·0
*	...	28°146	-3°055	3·00	43·2768	8·5	...	...	35°106	-21°417	-5	...	...	...	...	43°380	-35°623	-4	...	...
...	...	28°226	-16°449	0·65	44·2792	10·0	...	...	35°638	+9°512	-1	43·2783	10·2	...	...	43°521	-14°183	-4	...	...
...	...	28°309	-45°482	0·95	44·2793	10·0	*	...	35°823	-54°233	1·15	44·2813	9·4	†	...	43°704	+39°778	-4	...	...
†	...	28°398	+29°935	-5	...	...	*	...	35°904	-39°158	1·00	44·2812	9·8	...	...	43°752	-1°285	-4	...	...
591	...	+28°518	+18°439	1·25	43·2770	9·2	651	...	+36°396	-48°852	-5	...	...	711	...	+43°846	-59°482	-5	...	...
...	...	28°527	-38°965	0·90	44·2794	10·0	†	...	36°604	-49°965	1·15	44·2814	9·5	...	...	44°433	+37°308	-4	...	...
†	...	28°548	+24°964	1·00	43·2769	9·7	*	...	37°575	-9°621	1·00	44·2815	9·8	...	...	44°538	+20°132	-5	...	...
†	...	28°596	+33°371	-4	...	...	...	...	37°591	+21°813	0·95	43·2784	10·1	...	...	44°567	+49°422	-4	...	...
...	...	28°781	-35°955	0·75	44·2795	10·0	*	...	38°115	-22°637	1·00	44·2816	10·0	...	...	44°682	+1°738	-5	...	...
...	...	+28°948	+31°599	-3	43·2771	10·2	...	...	+38°171	+10°208	-5	...	...	...	...	+44°703	+22°860	-2	43·2802	10·2
...	...	29°246	+36°737	-5	...	...	*	...	38°261	+21°643	1·00	43·2785	10·0	...	...	44°875	-31°442	-1	44·2825	10·2
*	...	29°288	+36°214	1·10	43·2772	9·6	*	...	38°381	-56°666	2·00	44·2817	8·8	...	...	45°663	-12°551	0·70	44·2826	10·1
...	...	29°375	-20°463	0·65	44·2796	10·2	...	...	38°627	+38°907	-5	...	...	...	...	45°666	-8°995	-5	...	...
...	...	29°387	-19°886	-5	...	...	*	...	38°700	+13°860	2·20	43·2787	8·2	...	...	45°742	-22°128	0·90	44·2828	10·0
601	...	+29°469	-46°998	0·65	44·2797	10·2	661	...	+38°771	-16°389	-2	...	...	721	*	+45°828	-15°451	1·40	44·2827	9·3
...	...	29°489	-12°773	-4	...	...	...	...	38°830	+59°195	-5	...	...	...	...	45°845	+33°434	-4	...	...
†	...	29°597	-51°535	-4	...	...	*	...	38°880	+33°917	1·40	43·2786	9·2	*	...	45°979	-54°088	1·00	44·2829	9·8
†	...	29°774	+57°000	1·60	42·2731	9·0	...	...	38°951	-19°872	-5	...	...	...	...	46°258	+0°898	-4	...	...
...	...	29°818	-19°221	-4	...	...	*	...	39°053	-36°823	1·25	44·2819	9·3	...	...	46°276	+13°771	-5	...	...
...	...	+29°835	-37°315	-5	...	...	†	...	+39°069	-10°041	-5	...	...	...	...	+46°487	-35°292	-5	...	...
...	...	30°199	-32°341	-5	...	...	...	...	39°132	+12°244	-5	...	...	...	...	46°663	-3°201	-4	...	...
*	...	30°353	-22°827	1·20	44·2798	9·3	...	...	39°185	-26°867	-5	...	...	...	...	46°706	-47°236	-2	44·2832	10·2
...	...	30°397	+56°283	-5	42·2733	10·3	...	...	39°185	-27°206	0·80	44·2818	10·1	*	...	46°759	-50°723	1·00	44·2831	9·8
...	...	30°437	+16°914	-4	43·2773	10·2	*	...	39°275	+32°018	3·00	43·2788	7·4	...	...	46°817	+1°346	-2	43·2804	10·2
611	...	+30°752	+31°228	1·30	43·2774	8·8	671	...	+39°335	-58°938	-4	...	...	731	...	+46°822	-10°692	-1	44·2830	10·2
*	...	30°791	-21°091	1·05	44·2799	9·5	†	...	39°444	+44°840	-5	...	...	...	...	46°931	-15°693	-1	...	...
...	...	30°870	-59°616	-2	44·2803	10·2	...	...	39°460	-11°514	-5	...	...	...	...	47°279	-13°812	-3	44·2833	10·2
...	...	30°973	-22°252	-1	44·2800	10·2	...	...	39°461	-12°665	-4	...	...	...	...	47°337	-18°489	0·85	44·2834	10·0
...	...	31°033	+52°853	-5	...	...	...	...	39°776	+19°784	0·85	43·2790	10·0	...	...	47°399	-30°422	-2	...	...
...	...	+31°172	+42°344	0·75	43·2775	10·2	*	...	+39°817	+48°702	2·60	43·2789	7·8	...	...	+47°496	-21°264	-5	...	...
...	...	31°239	-27°403	0·70	44·2802	10·2	...	...	39°900	-27°041	-1	44·2820	10·2	...	...	47°500	+48°043	-4	...	...
...	...	31°368	-2°943	-4	43·2776	10·2	...	...	39°993	-4°348	-3	43·2793	10·2	...	...	47°518	-12°238	-3	44·2835	10·2
...	...	31°449	+1°966	-4	...	...	...	...	40°011	+26°792	-4	...	...	*	...	47°573	+47°385	1·00	43·2803	9·8
...	...	31°470	+41°804	-5	...	...	...	...	40°034	+25°037	-5	...	...	...	...	47°611	+7°287	0·75	43·2806	10·1
621	...	+31°483	+48°615	-5	...	...	681	*	+40°127	+19°782	0·90	43·2791	10·0	741	...	+47°730	+16°982	-5	...	...
...	...	31°501	+9°130	-4	43·2777	10·2	...	...	40°165	+32°189	-4	...	...	...	...	47°766	+22°669	-2	43·2805	10·2
*	...	31°684	-56°267	1·05	44·2804	9·8	...	...	40°234	+20°316	-4	...	...	...	...	47°789	-2°508	-5	...	...
...	...	32°015	-57°010	1·00	44·2806	9·8	...	...	40°245	-34°497	-2	44·2821	10·2	...	...	47°889	-47°315	-4	...	...
...	...	32°203	+18°263	-5	...	...	*	...	40°357	+31°350	1·00	43·2792	9·6	...	...	48°017	+32°078	-3	...	...
...	...	+32°274	+11°348	-5	...	...	...	...	+40°580	-49°407	-3	...	...	...	...	+48°172	+28°967	-4	...	...
...	...	32°298	-17°518	-5	...	...	...	...	40°758	+29°641	1·00	43·2794	9·8	...	...	48°315	-32°399	-4	...	...
...	...	32°812	-42°910	-5	...	...	...	...	40°807	+15°989	-5	...	...	...	...	48°392	+18°134	-3	43·2807	10·2
...	...	32°998	-17°566	-3	...	...	...	...	40°826	-48°607	-3	...	...	S*	...	48°448	-8°440	2·00	44·2837	9·0
...	...	33°034	+27°987	-5	...	...	...	...	41°176	+2°129	-4	...	...	...	...	48°470	-14°818	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
751-780						781-810						811-840					
751	+48.507	-21.818	5	...	...	781	+51.697	+15.099	1.90	43.2811	9.0	811	+55.402	-21.935	4	...	...
...	48.652	-4.160	3	...	...	*	51.700	-39.128	1.90	44.2850	9.2	*	55.635	-40.441	1.20	44.2861	9.6
...	48.715	-43.698	4	...	...	...	51.702	+54.898	-1	42.2764	10.0	...	55.669	33.481	5	...	...
†	48.874	-59.848	1.80	44.2840	9.0	...	51.945	-21.280	-2	...	...	...	55.883	-50.412	-5	...	...
...	48.951	+15.293	5	...	...	...	52.474	-25.989	-2	44.2851	10.2	...	55.914	16.110	-1	44.2860	10.2
*	+49.096	-14.538	1.30	44.2838	9.4	...	+52.672	-37.569	-5	...	...	...	+56.104	-39.416	-5	...	...
...	49.202	-8.245	3	44.2839	10.2	...	52.700	+59.060	-3	42.2767	10.2	...	56.162	+43.050	0.95	43.2820	9.8
...	49.242	+53.886	4	...	...	*	52.850	+2.858	1.80	43.2813	9.0	...	56.649	-44.616	-3	44.2862	10.2
...	49.280	+6.670	1.30	43.2808	9.6	...	52.851	+30.501	-4	...	...	...	56.658	+42.476	-5	...	...
...	49.451	-23.244	5	...	...	*	52.865	+14.288	1.80	43.2812	9.1	...	56.915	-54.792	-5	...	...
761	+49.501	+12.342	2	...	...	791	+53.055	-30.281	-4	...	...	821	+56.924	+47.643	-5	...	...
...	49.514	+3.024	1	43.2809	10.2	...	53.226	+17.455	0.75	43.2814	10.0	...	56.949	-23.997	-4	...	...
...	49.861	+25.554	0.75	43.2810	10.0	...	53.310	+41.126	-5	...	...	...	56.982	-36.707	-4	...	...
*	49.961	-53.795	1.20	44.2843	9.8	...	53.311	+2.110	0.70	43.2816	10.0	...	57.040	-24.043	-4	...	...
*	50.208	-27.568	1.60	44.2842	9.3	*	53.446	-14.400	1.40	44.2852	9.5	...	57.212	+17.740	-4	...	...
...	+50.378	-14.020	5	...	...	...	+53.533	-46.546	-5	...	...	...	+57.507	+16.403	0.85	43.2821	10.0
*	50.385	-40.291	1.40	44.2844	9.6	...	53.702	+18.009	-1	43.2815	10.2	...	57.846	-27.482	-5	...	...
...	50.428	-6.147	0.90	44.2841	9.8	...	53.725	-33.261	-3	44.2854	10.2	...	57.955	-27.966	-4	...	...
*	50.513	-37.506	1.00	44.2845	10.0	...	53.953	+2.701	0.80	43.2818	10.0	...	58.120	+27.429	-3	43.2822	10.2
...	50.545	+13.312	3	...	...	...	54.037	-3.508	-3	...	...	...	58.202	-24.307	-4	...	...
771	+50.658	-59.606	2.70	44.2849	8.2	801	+54.047	+16.590	-1	43.2817	10.2	...	+58.377	-6.422	-3	...	...
...	50.680	-56.004	1	44.2848	10.0	...	54.089	-20.825	0.70	44.2855	10.1	†	58.565	+0.003	-5	...	...
...	50.896	+37.453	5	...	...	*	54.126	-34.568	1.80	44.2856	9.2	S*	58.598	+35.147	2.35	43.2823	8.4
...	50.916	+21.674	4	...	...	*	54.160	-41.935	1.20	44.2857	9.6	...	58.924	-13.860	-4	...	...
*	51.009	-16.768	0.95	44.2846	9.8	...	54.235	-19.217	-4	...	...	...	58.942	-27.144	-4	...	...
...	+51.122	-31.082	0.90	44.2847	9.8	...	+54.236	-18.315	-5	...	...	...	+59.122	-58.494	-1	44.2865	9.8
...	51.233	-26.305	4	...	...	...	54.426	+0.244	-3	...	...	...	59.309	-17.493	-1	44.2863	10.2
...	51.258	-35.163	5	...	...	N*	54.838	-31.436	1.20	44.2859	9.6	...	59.310	-32.622	-4	44.2864	10.2
...	51.263	+14.028	4	...	...	...	54.865	+38.134	0.95	43.2819	9.8	...	59.378	-16.307	0.90	43.2824	9.8
...	51.462	+14.986	4	...	...	†	54.988	-14.983	0.70	44.2858	10.0	...	59.442	-54.105	-3	44.2866	10.1

808. Mass. 44° 53, mass; 45° 52, two stars.

1-20						21-40						41-60					
I	Co-ordinates.		Diam.	C.P.D.		21	Co-ordinates.		Diam.	C.P.D.		41	Co-ordinates		Diam	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
†	-60.093	+17.958	1	43.2807	10.2	...	-58.358	+10.382	5	...	...	...	-55.870	+41.068	4	...	...
†	60.065	-2.702	5	...	...	...	57.895	-43.828	5	...	...	*	55.548	-56.067	1.10	44.2848	10.0
*	60.033	-18.687	1.00	44.2834	10.0	†	57.875	+54.797	0.95	42.2764	10.0	*	55.484	+14.236	1.90	43.2812	9.1
...	60.032	-12.424	4	44.2835	10.2	...	57.786	-23.371	5	...	...	*	55.454	-59.676	2.90	44.2849	8.2
...	59.800	-21.445	5	...	...	...	57.784	+13.194	0.70	...	...	...	55.337	-21.341	0.65	...	...
...	-59.791	-47.432	4	44.2832	10.2	...	-57.684	-15.014	5	...	...	*	-55.241	+17.417	1.00	43.2814	10.0
...	59.615	-30.600	1	...	...	...	57.669	+21.559	2	...	...	†	55.173	-2.817	1.80	43.2813	9.0
*	59.615	-50.919	1.20	44.2831	9.8	*	57.315	-6.259	1.00	44.2841	9.8	*	55.048	-39.170	1.40	44.2850	9.2
S*	59.216	-8.605	1.85	44.2837	9.0	...	57.086	+13.923	1	...	...	...	54.779	-17.982	0.75	43.2815	10.2
...	59.147	-4.322	3	...	...	...	57.022	+58.989	2	42.2767	10.2	*	54.686	-2.084	0.95	43.2816	10.0
II						31					51						
†	-59.017	-14.968	5	...	...	...	-56.932	+14.887	1	...	...	...	-54.673	-26.033	0.75	44.2851	10.2
*	58.849	+6.523	1.50	43.2808	9.6	*	56.879	-27.673	1.35	44.2842	9.3	...	54.445	-0.948	5	...	...
...	58.836	+25.408	0.90	43.2810	10.0	†	56.693	+15.030	2.00	43.2811	9.0	...	54.391	-16.553	0.80	47.2817	10.2
...	58.808	+12.196	1	...	...	*	56.407	-16.861	1.05	44.2846	9.8	*	54.214	+38.139	1.00	43.2819	9.8
...	58.767	-21.975	5	...	...	*	56.322	-53.886	1.10	44.2843	9.8	...	54.129	-37.500	5	...	...
...	-58.648	-32.562	5	...	...	*	-56.316	-40.381	1.40	44.2844	9.6	*	-54.062	-2.697	0.95	43.2818	10.0
...	58.616	-47.475	5	...	...	*	56.276	-37.592	1.00	44.2845	10.0	*	54.044	-14.400	1.10	44.2852	9.5
...	58.512	+2.883	0.90	43.2809	10.2	...	55.975	+30.451	3	...	...	...	53.973	-30.294	3	...	...
...	58.485	-8.385	0.75	44.2839	10.2	...	55.896	-26.375	3	...	...	...	53.796	-3.508	1	...	...
*	58.386	-14.683	1.35	44.2838	9.4	*	55.875	-31.163	1.00	44.2847	9.8	...	53.510	+0.258	0.70	...	...

L measured from 1, 184, 346, 510, 690, 845. MC ... 86, 277, 439, 602, 772, 910.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
61-120						121-180						181-240							
61	...	...	...	...	...	121	...	...	...	...	...	181	...	...	...	...	...
...	-53.224	-20.818	0.80	44.2855	10.1	...	-46.114	+2.330	0.80	43.2831	10.0	...	* -40.448	+29.372	1.20	43.2847	9.8		
...	53.205	-33.251	0.90	44.2854	10.2	...	45.959	-20.342	-5	...	...	...	...	40.253	+7.510	-4	...	...
...	53.190	+21.962	-4	...	...	...	* 45.915	-11.403	1.30	44.2868	9.6	...	† 40.190	+46.458	0.80	43.2848	10.2	
...	53.150	-18.310	-4	...	...	...	45.886	-20.096	-1	44.2867	10.1	...	...	39.961	-23.741	0.90	44.2882	10.0
...	53.113	-19.196	-4	...	...	...	† 45.713	-29.947	1.30	44.2869	9.5	...	...	39.822	+10.697	-4	...	...
...	* -53.064	+43.082	1.05	43.2820	9.8	-45.705	-15.149	-3	44.2870	10.2	-39.769	+43.379	0.85	43.2849	10.2
...	52.990	-46.534	-5	...	...	...	* 45.703	-1.305	0.90	43.2834	10.0	...	...	39.720	-9.581	-3	...	...
...	* 52.750	-34.542	1.30	44.2856	9.2	...	...	45.524	-18.494	-5	...	...	...	39.219	-45.022	-5	...	...
...	* 52.499	-41.915	1.20	44.2857	9.6	45.517	+54.683	-3	42.2785	10.3	39.177	-20.400	-5
...	† 52.483	-14.955	0.90	44.2858	10.0	45.516	+16.426	-1	43.2835	10.0	39.012	-14.028	-5	A	...
71	...	...	...	...	...	131	...	...	...	...	...	191	...	...	...	...	...	...
...	-52.439	+47.706	-5	...	...	...	-45.514	+17.310	-4	...	...	...	...	-38.989	-38.843	-5	...	...
N*	52.140	-31.398	1.00	44.2859	9.6	...	45.450	-1.473	-5	...	...	...	...	38.715	+7.800	-5	...	...
...	51.626	+24.126	-4	...	...	...	45.420	+16.517	-5	...	...	...	S†	38.642	-24.961	2.00	44.2883	8.4
...	51.527	-16.052	0.70	44.2860	10.2	...	45.415	-16.597	-5	...	...	...	...	38.591	+23.344	-5	...	...
...	51.258	-33.423	-5	...	...	...	45.381	+8.651	-3	...	...	...	...	38.574	-37.504	-5	...	...
...	-51.252	+17.823	-4	-45.274	-13.856	-5	-38.127	-46.297	-4
...	* 51.070	-40.371	1.15	44.2861	9.6	45.023	+54.319	-4	37.745	-26.521	0.80	44.2885	10.1
...	* 50.929	+16.494	1.00	43.2821	10.0	45.003	+35.232	1.00	43.2836	10.0	37.727	-38.547	-3
...	44.850	+21.259	-5	37.713	-34.348	0.95	44.2884	10.1
...	...	...	...	...	...	...	...	44.681	+8.393	-4	...	...	F	37.710	-0.090	0.70	43.2850	10.2
81	...	...	...	...	...	141	...	...	...	...	...	201	...	...	...	...	...	...
...	-50.634	+27.528	-1	43.2822	10.2	...	-44.617	-17.798	-4	...	...	...	...	-37.413	-47.180	-5	...	...
...	50.623	-39.328	-5	...	...	...	44.406	-10.038	-4	...	...	...	...	* 37.179	-25.978	2.00	44.2887	8.6
...	50.522	-50.326	-5	...	...	...	44.371	+54.003	-4	...	...	...	...	* 37.116	-47.096	1.50	44.2886	9.0
S*	50.395	+35.262	2.05	43.2823	8.4	...	44.269	-4.209	-4	...	...	...	...	37.058	+28.920	-5	...	...
...	50.259	-23.902	-4	...	...	...	44.215	+19.699	-4	...	...	...	...	* 36.959	-22.494	1.00	44.2889	9.8
...	-49.942	-44.504	-2	44.2862	10.2	...	...	-44.071	-8.427	-4	...	...	...	* -36.954	+5.623	1.00	43.2851	9.8
...	49.852	-36.599	-3	...	...	...	44.031	-57.810	-1	44.2871	10.2	...	...	36.863	-27.939	0.90	44.2888	10.0
...	49.433	+13.988	-3	...	...	...	43.867	-23.904	-3	...	...	...	...	36.712	-44.263	-5	...	...
...	49.377	+0.128	-4	...	...	...	43.849	+32.698	0.85	43.2837	10.1	...	...	36.695	+17.326	-2	...	...
...	49.372	-54.653	-5	...	...	...	* 43.529	-36.502	1.20	44.2873	9.8	...	...	36.392	-17.799	0.85	44.2892	10.2
91	...	...	...	...	...	151	...	...	...	...	...	211	...	...	...	...	...	...
...	-49.367	-6.276	-3	...	...	...	-43.524	+30.376	-5	...	...	...	...	* -36.177	-21.800	2.20	44.2891	8.4
...	49.220	+41.589	-2	43.2825	10.2	...	43.356	-42.836	1.00	44.2872	10.0	...	...	36.147	-57.182	-1	44.2890	10.1
...	49.143	-27.823	-4	...	...	...	43.240	-39.029	-4	...	...	...	...	36.147	-7.464	-2	44.2893	10.2
...	49.067	+16.457	0.95	43.2824	9.8	...	* 43.224	-34.702	1.20	44.2874	9.4	...	...	36.057	+34.481	-4	...	...
...	48.999	-24.177	-4	...	...	...	† 43.185	-34.844	-5	...	...	...	...	* 35.877	-17.918	1.15	44.2894	9.5
...	-48.369	+15.661	-3	-43.001	-41.714	-4	-35.606	+28.718	0.65	43.2852	10.2
...	48.280	+36.922	0.80	43.2826	10.0	...	42.985	+27.620	-5	...	...	...	...	35.587	-16.586	0.65	...	...
...	48.163	-26.975	-4	...	...	...	42.961	+0.788	0.65	43.2838	10.2	...	...	35.527	-4.419	-3	...	...
...	48.102	-17.317	-1	44.2863	10.2	...	42.813	-20.833	-2	44.2875	10.2	...	...	35.429	-25.077	-3	...	...
...	48.027	+13.817	-5	...	...	...	42.652	-10.083	0.75	44.2876	10.1	...	...	35.275	+22.810	0.65	43.2853	10.2
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...	...
...	-48.003	+3.851	-4	-42.644	-2.571	-4	-35.104	-43.602	0.65	44.2896	10.2
...	47.998	-9.174	-4	...	...	...	42.579	+16.891	-4	...	...	...	...	* 35.045	-52.772	1.00	44.2895	9.8
...	* 47.847	+16.949	1.00	43.2827	9.8	...	* 42.344	+10.156	1.60	43.2839	9.1	...	...	* 35.022	+16.948	0.95	43.2854	10.1
...	* 47.749	+47.869	1.00	43.2828	9.8	42.337	-7.273	-2	44.2877	10.2	34.993	+51.128	-5
...	47.642	-32.439	-3	44.2864	10.2	...	* 42.166	+18.825	0.90	43.2840	10.0	34.902	+39.554	0.90	43.2856	10.2
...	-47.500	-3.046	-5	-42.049	+5.749	-4	-34.791	+41.559	0.95	43.2857	10.2
...	47.441	+19.651	-4	42.001	+37.231	0.95	43.2841	9.8	34.781	-4.034	0.95	43.2855	10.0
...	* 47.336	+24.295	1.10	43.2829	9.8	...	* 41.761	+12.356	0.90	43.2842	9.8	34.597	+32.093	-4
...	47.188	+20.613	-5	41.605	+9.623	1.00	43.2843	9.6	34.346	+14.670	-5
...	47.047	-17.939	-5	41.577	-4.527	-3	34.203	-31.851	-3
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...	...
...	* -47.039	-58.306	1.20	44.2865	9.8	-41.551	-33.358	-4	-34.152	+16.774	-5	...
...	46.982	-17.534	-4	* 41.308	-26.434	1.00	44.2879	9.8	34.073	+18.609	-4	...
...	46.972	+43.556	-3	41.242	+25.046	-5	33.847	+56.450	-4	42.2797
...	46.914	-32.380	-4	* 41.119	-53.160	1.20	44.2878	9.6	33.833	+55.972	-4	...
...	46.859	-53.902	-1	44.2866	10.1	40.980	+50.901	1.00	43.2846	10.0	* 33.828	+5.514	1.25	43.2858
...	-46.828	+47.037	-5	* -40.919	-7.378	1.00	44.2881	9.8	33.812	+36.152	0.70	43.2859
...	46.715	-37.072	-3	40.885	-47.302	1.20	44.2880	9.6	33.796	-41.860	-5	...
...	46.339	+50.095	-4	43.2833	10.2	* 40.827	+31.404	1.00	43.2845	10.0	33.753	-21.744	-3	...
...	46.274	+20.433	0.80	43.2830	10.1	* 40.776	+10.756	1.00	43.2844	9.8	33.617	-42.454	-2	44.2897
...	* 46.117	+8.699	0.90	43.2832	10.0	...	...	40.518	+19.314	-4	...	...	...	...	33.503	-2.500	-5	...

72. Mass. 44°.52, mass; 45°.52, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam	C.P.D	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag
241-300						301-360						361-420					
241	-33.331	+19.084	-5	...	...	301	-26.331	+43.659	0.90	43.2865	10.1	361	-18.173	-5.419	-5	...	...
...	33.262	-0.136	-4	a	...	...	26.226	-17.803	1.30	44.2914	9.6	...	18.142	-21.823	1.00	43.2877	9.8
...	33.216	-38.859	1.00	44.2898	10.2	...	25.804	-23.684	-3	44.2915	10.2	...	18.135	-31.982	-4	...	...
...	33.165	-55.035	-5	...	...	...	25.713	+26.570	-1	...	...	...	18.133	+36.770	-3	...	...
...	33.108	+23.209	1.00	43.2860	9.8	...	25.700	-21.555	-5	...	...	...	18.077	-33.284	0.95	44.2932	9.6
...	33.092	-55.441	-1	44.2901	10.2	...	-25.438	-40.383	1.60	44.2916	9.4	...	-18.048	-33.382	0.95	44.2934	10.2
...	33.083	+26.989	-4	...	...	...	25.344	-56.034	-5	...	...	...	17.764	-5.185	-1	44.2934	10.2
...	33.057	-59.220	-4	...	...	...	25.318	+0.805	-3	43.2866	10.2	...	17.686	+48.459	-4	...	...
...	33.035	-4.382	-4	...	...	...	25.210	-27.415	0.85	44.2917	9.8	...	17.605	-34.100	-3	44.2933	10.2
...	33.024	+24.003	0.80	43.2861	10.2	...	24.673	+22.487	-5	...	...	...	17.472	+53.606	-5	...	...
251	-33.020	+27.117	-4	...	...	311	-24.401	+55.223	-4	...	...	371	-17.344	+59.768	1.05	42.2829	9.7
...	33.014	-31.839	-5	...	...	...	24.398	+24.284	0.65	43.2867	10.2	...	17.187	+24.423	-5	...	...
...	32.966	-27.138	1.00	44.2900	9.8	...	24.259	-59.486	1.00	44.2918	9.8	...	17.118	-38.159	-5	...	...
...	32.730	-15.254	0.75	44.2902	10.2	...	24.253	-35.633	-5	...	...	...	17.061	+7.997	0.90	43.2878	10.1
...	32.668	+17.047	-5	...	...	...	24.002	+40.185	-5	...	...	...	16.970	-52.125	-3	...	...
...	32.595	+12.699	-5	...	...	...	-23.919	+28.354	-1	43.2868	10.2	...	-16.895	-35.844	-5	...	...
...	32.454	+59.118	1.20	42.2800	9.2	...	23.856	-26.506	-3	44.2919	10.2	...	16.671	-27.314	-5	...	...
...	32.257	-18.330	-5	...	...	...	23.795	+34.723	0.75	43.2869	10.0	...	16.537	+45.814	0.90	43.2879	10.0
...	32.257	-25.146	-5	...	...	...	23.682	-0.705	-1	43.2870	10.2	...	16.488	+40.113	-4	...	...
...	32.162	-49.673	0.95	44.2903	9.8	...	23.597	+29.670	-4	...	...	...	16.474	+0.442	0.70	43.2880	10.2
261	-32.153	-32.900	-4	...	...	321	-23.559	+44.571	-4	...	...	381	-16.353	-0.352	-2	...	...
...	32.002	-41.024	-4	...	...	...	23.176	-20.304	-3	...	...	...	16.252	+59.335	-5	...	...
...	31.945	-55.377	-5	...	...	...	23.161	-55.291	2.20	44.2920	8.6	...	16.152	+42.232	-3	43.2881	10.2
...	31.865	-50.737	1.00	44.2904	9.8	...	23.159	-42.379	-4	...	...	...	16.131	-50.461	1.00	44.2935	10.0
...	31.832	-35.062	-5	...	...	...	22.868	-34.810	-5	...	...	...	15.958	+25.345	-3	43.2882	10.2
...	31.737	-8.284	-1	...	...	...	-22.826	+3.515	-5	...	...	...	-15.547	-43.590	-5	...	...
...	31.719	-22.785	0.65	44.2905	10.2	...	22.424	-9.288	-5	...	...	...	15.454	+11.973	0.95	43.2883	9.8
...	31.704	-35.196	-5	...	...	...	22.248	-24.844	1.60	44.2921	9.1	...	15.428	+3.504	-5	...	...
...	31.394	+36.778	0.65	...	...	...	22.042	+11.734	-5	...	...	...	15.335	-31.195	-3	...	...
...	31.115	-51.779	-5	...	...	...	21.989	-59.023	-4	...	...	...	15.330	+12.167	-3	43.2883	9.8
271	-30.977	-38.710	-5	...	...	331	-21.549	-37.983	1.20	44.2923	9.6	391	-15.325	+42.678	1.00	43.2884	9.6
...	30.951	-8.403	1.00	44.2906	9.8	...	21.447	+26.616	-1	43.2871	10.2	...	15.304	-35.245	0.65	44.2937	10.1
...	30.909	-14.177	-5	...	...	...	21.357	+15.309	-4	...	...	...	14.835	+42.376	-4	...	...
...	30.857	+54.386	-2	43.2862	10.2	...	21.312	+40.134	1.80	43.2872	8.8	...	14.687	-56.062	-2	44.2938	10.2
...	30.796	-21.736	-5	...	...	...	21.252	-33.581	-4	...	...	...	14.555	-26.530	0.90	44.2939	9.8
...	30.464	-47.310	-5	...	...	...	-21.032	+10.313	1.00	43.2873	9.8	...	-14.268	-49.083	-2	43.2885	10.2
...	30.063	+18.741	-5	...	...	...	20.830	+59.374	-5	...	...	...	14.091	-53.549	1.20	44.2940	9.6
S *	30.008	-50.231	3.70	44.2907	7.7	...	20.733	-54.395	-4	...	...	...	14.041	+4.478	0.70	43.2886	10.0
...	30.003	-41.592	-5	...	...	...	20.606	-8.277	-2	44.2926	10.2	...	13.914	-2.330	0.90	43.2887	9.8
...	29.909	+1.952	-4	...	...	...	20.599	-12.324	-4	...	...	...	13.913	-46.906	0.75	44.2941	10.1
281	-29.803	-39.154	-3	...	...	341	-20.536	-46.395	-2	44.2925	10.2	401	-13.838	-55.071	-3	...	...
...	29.550	-1.631	-4	...	...	...	20.432	-8.413	-3	44.2926	10.2	...	13.812	+12.824	1.00	43.2888	9.6
...	29.361	-31.964	-4	...	...	...	20.293	-29.139	-4	44.2927	10.2	...	13.776	+55.505	-5	...	...
...	29.109	-51.450	-4	...	...	...	20.283	+6.335	1.90	43.2874	9.0	...	13.752	+12.751	-5	...	...
...	29.017	-49.520	-4	...	...	S †	20.234	+56.346	1.00	42.2822	9.8	...	13.444	-27.319	-4	...	...
...	28.959	-49.353	-3	44.2908	10.2	...	-20.110	-46.142	-5	...	...	...	-13.313	-43.768	0.90	44.2942	10.0
...	28.725	-18.943	1.20	44.2910	9.6	...	20.086	-12.823	0.80	44.2928	10.1	...	13.255	+55.677	1.00	42.2833	9.7
...	28.570	+37.037	-4	...	...	...	19.671	-38.126	4.00	44.2929	7.4	...	13.028	-21.103	0.70	44.2943	10.2
...	28.127	+55.831	-5	...	...	...	19.628	-25.456	-4	...	...	...	12.968	-30.747	-5	...	...
...	28.033	-52.966	-3	...	...	...	19.611	+57.870	-5	...	...	...	12.928	+11.307	1.25	43.2889	9.3
291	-27.934	-42.242	3.00	44.2911	8.0	351	-19.554	-57.823	-5	...	...	411	-12.795	-58.469	0.85	44.2945	10.1
...	27.877	-44.973	-4	...	...	...	19.444	+57.365	-4	...	...	...	12.777	-5.883	-5	...	...
...	27.710	+43.617	-4	...	...	...	19.328	-50.277	-5	...	...	...	12.554	+4.154	-2	43.2890	10.2
...	27.707	-19.546	-4	...	...	...	19.297	-29.871	-5	...	...	...	12.553	+49.009	-5	...	...
...	27.674	+0.130	-3	43.2863	10.2	...	19.012	-54.423	1.00	44.2931	9.8	...	12.363	+4.686	-5	...	...
...	27.595	-23.694	2.00	44.2912	8.6	...	-18.733	-34.168	-4	...	...	...	-12.217	-34.661	-4	...	...
...	26.984	-25.908	1.00	44.2913	9.8	...	18.621	+0.473	0.80	43.2875	10.2	...	12.215	-59.216	-4	...	...
...	26.983	+23.512	-5	...	...	...	18.480	+57.909	-5	...	...	...	12.155	-34.213	-2	...	...
...	26.961	-16.205	-5	...	...	...	18.469	+31.757	1.00	43.2876	9.6	...	11.995	+41.076	2.00	43.2891	8.4
...	26.744	+24.552	-1	43.2864	10.2	...	18.279	-36.461	-5	...	...	...	11.850	-39.685	1.00	44.2946	9.6

339, 342, C.P.D., probably mass.

387, 390, C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-480						481-540						541-600					
421	-11.840	-20.990	-4	...	...	481	-5.653	-0.099	-4	...	...	541	+2.688	-32.485	-2	44.2978	10.2
...	11.662	+24.870	0.95	43.2892	9.8	...	5.645	+56.494	0.95	42.2851	9.8	S*	2.865	-46.524	1.70	44.2980	9.0
*	11.655	-18.951	-5	...	...	...	5.613	+2.159	-4	...	...	...	2.885	-36.021	0.70	44.2979	10.0
...	11.345	-39.948	-5	...	...	†	5.361	-55.844	0.90	44.2961	10.0	...	2.964	+41.122	-4	...	...
...	11.214	+41.745	-4	...	...	†	5.354	-40.940	-5	...	...	...	2.974	-25.128	-1	...	...
...	-11.198	-40.740	0.70	44.2947	10.2	...	-5.182	+17.197	-4	...	...	...	+2.977	-19.851	-5	m	...
...	11.157	-10.722	0.80	44.2948	10.2	...	5.097	-0.529	-4	...	...	...	3.094	+26.920	-5	...	...
*	11.085	+46.786	1.40	43.2893	8.9	...	5.008	-39.808	-5	...	...	...	3.336	-15.558	-4	...	...
...	11.049	+15.485	-4	43.2894	10.2	...	4.897	-45.302	-4	...	...	S*	3.407	+52.605	1.80	43.2909	8.8
...	10.998	+44.344	-5	...	...	*	4.729	-59.408	1.20	44.2962	9.6	*	3.497	-8.999	1.05	44.2981	9.6
431	-10.954	-38.008	-4	...	...	491	-4.283	-36.414	-5	...	...	551	+3.656	-43.496	0.90	44.2982	9.8
...	10.930	-52.288	-4	...	...	*	4.242	-40.911	1.80	44.2963	9.1	...	3.923	+58.432	-4	...	...
...	10.914	-18.798	-5	...	...	...	4.089	-24.107	-4	...	...	*	4.374	-44.383	1.05	44.2983	9.4
*	10.850	-10.162	1.00	44.2949	9.6	*	3.983	-39.587	0.85	44.2965	10.1	...	4.516	-9.023	-5	...	...
...	10.660	-39.243	-5	...	...	*	3.908	-11.274	0.95	44.2964	9.8	...	4.788	-33.638	-4	44.2984	10.2
...	-10.660	-57.711	-5	...	...	...	-3.597	-7.674	-4	...	...	†	+4.795	+44.119	0.70	43.2910	10.2
...	10.634	-39.790	-4	44.2950	10.2	*	3.035	-31.741	0.90	44.2966	9.8	...	4.830	-0.851	-5	...	...
†	10.360	-43.222	-4	...	...	...	2.884	-49.958	-4	...	...	...	5.089	-11.589	-1	44.2985	10.0
†	10.242	-38.313	-5	...	...	...	2.801	-3.957	0.95	43.2898	10.0	N*	5.360	+10.569	1.00	43.2912	9.2
...	10.116	+15.972	-5	...	...	...	2.704	-22.562	-4	44.2967	10.2	N*	5.419	+10.632	1.30	43.2912	9.2
441	-10.052	-22.211	-1	44.2951	10.0	501	-2.543	+39.634	-1	43.2899	10.1	561	+5.472	+30.606	1.05	43.2911	9.6
...	9.927	-37.215	-5	...	...	*	2.514	-48.461	0.90	44.2968	9.8	...	5.554	+1.662	-3	43.2913	10.2
...	9.902	-36.164	-2	44.2952	10.2	...	2.327	-31.783	-4	...	...	...	5.568	-34.073	-5	...	...
...	9.885	-34.846	-2	44.2953	10.2	...	2.174	-25.740	-4	44.2969	10.2	*	5.630	+58.844	1.05	42.2873	9.6
...	9.771	+51.861	-3	...	...	*	2.028	+51.549	1.20	43.2900	9.6	...	5.767	-55.484	-2	44.2987	10.2
...	-9.747	+18.804	-5	...	...	...	-2.009	-31.659	-5	...	...	*	+5.825	-45.263	1.10	44.2986	9.5
...	9.734	-17.563	-4	...	...	...	1.527	+1.767	0.90	43.2901	10.0	...	5.855	-13.078	-4	...	...
...	9.618	-50.634	-4	...	...	...	1.450	+24.075	-4	...	...	...	5.924	-49.376	-5	...	...
n	9.168	-38.862	-1	44.2955	9.8	...	1.413	+12.751	-5	...	...	...	6.329	-12.646	-3	...	...
...	9.161	-28.713	-4	...	...	...	1.344	-13.571	-5	...	...	*	6.372	-16.245	2.00	44.2988	8.6
451	-9.101	-38.808	-5	44.2955	9.8	511	-1.214	-46.020	0.90	44.2971	10.0	571	+6.388	-57.971	-3	...	...
n	9.017	+12.467	1.20	43.2895	9.6	*	1.207	-17.374	1.00	44.2970	9.8	...	6.825	-6.733	-5	...	...
*	8.912	+22.814	-5	...	...	...	0.932	+10.888	-4	...	...	*	7.072	+39.572	1.00	43.2914	9.8
...	8.769	-14.384	-3	...	...	...	0.914	-9.579	-3	...	...	...	7.103	+25.879	-5	...	...
...	8.555	-10.067	-5	...	...	*	0.800	+35.662	1.20	43.2902	9.6	...	7.177	-24.481	-5	...	...
...	-8.440	-41.679	-5	...	...	...	-0.799	+20.030	-3	43.2903	10.2	...	+7.179	-29.341	-4	...	...
...	8.426	-36.902	-2	44.2956	10.1	*	0.709	-13.081	1.10	44.2972	9.6	...	7.254	+52.954	-2	43.2915	10.2
...	8.401	-17.723	-4	...	...	...	0.354	+35.623	-5	...	...	*	7.263	-38.809	1.00	44.2990	9.6
*	8.292	-39.553	1.00	44.2957	9.6	...	-0.060	-36.228	-5	...	...	...	7.396	-12.416	-5	...	...
...	8.207	-37.051	-5	...	...	...	+0.035	-47.885	-3	...	...	...	7.437	-7.770	-1	44.2989	10.2
461	-8.042	-33.889	-5	...	...	521	+0.121	+20.186	-5	...	...	581	+7.458	-51.221	-3	...	...
...	7.889	+11.496	-4	43.2896	10.2	...	0.516	-32.044	-4	...	...	...	7.493	-21.535	0.75	44.2991	10.2
...	7.818	-48.815	-4	...	...	...	0.677	+32.129	-4	...	...	...	7.573	-48.851	-5	...	...
...	7.766	-46.253	-3	44.2958	10.2	...	0.679	-47.576	-5	...	...	*	7.757	+10.975	1.00	43.2917	9.6
...	7.229	+30.465	-4	...	...	...	0.694	+29.447	-4	...	...	...	7.796	+36.991	-4	...	...
...	-7.127	-38.002	-4	...	...	...	+1.081	+10.899	-5	...	...	*	+7.820	+42.231	1.00	43.2916	9.8
...	6.468	-43.073	-4	...	...	...	1.122	-38.141	-4	...	...	*	7.868	+22.708	1.10	43.2918	9.6
...	6.397	-35.940	-3	44.2959	10.2	*	1.156	+2.515	1.05	43.2905	9.6	...	8.025	-21.414	-5	...	...
...	6.370	-5.775	-5	m	...	*	1.158	+43.282	1.00	43.2904	9.6	...	8.120	-1.921	-4	...	...
...	6.357	-39.999	-5	...	...	*	1.420	+48.800	1.00	43.2906	9.8	†	8.160	-44.934	0.70	44.2993	10.0
471	-6.335	-33.680	-4	...	...	531	+1.422	-19.892	-4	44.2973	10.2	591	+8.437	+5.397	0.80	43.2919	9.8
*	6.267	-17.908	1.20	44.2960	9.6	†	1.424	-57.208	-5	...	...	...	8.628	-34.678	-5	...	...
...	6.215	-49.587	-4	...	...	...	1.623	-12.770	0.90	44.2974	9.8	...	8.644	+17.023	-1	43.2921	10.2
...	6.200	+45.237	-4	...	...	...	1.624	-36.424	0.65	44.2975	10.2	...	8.651	-27.323	0.90	44.2994	10.2
...	6.171	-33.947	-5	...	...	...	1.783	-46.255	0.95	44.2976	9.8	*	8.720	+51.701	1.00	43.2920	9.8
...	-6.139	-32.383	-4	...	...	...	+1.865	-47.519	-3	...	...	...	+8.925	+35.151	0.75	43.2922	10.2
...	6.092	-35.793	-4	...	...	...	1.989	-31.189	-5	...	...	*	9.291	-21.706	1.30	44.2995	9.4
...	6.041	+57.315	0.70	42.2850	10.2	...	2.051	+5.848	-4	44.2977	10.2	†	9.612	-6.732	-4	44.2996	10.2
...	5.856	+13.235	-5	...	...	...	2.648	+40.774	-1	43.2907	10.2	†	9.612	-50.563	1.00	44.2998	9.8
S*	5.662	+23.778	2.50	43.2897	8.5	...	2.659	+5.558	-4	43.2908	10.2	*	9.620	+57.803	1.05	42.2881	9.6

449, 451. C.P.D., possibly mass.

559, 560. 43° 52, two stars; 43° 53, mass.

Notes.	Co-ordinates		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam.	C.P.D.							
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.						
601-660						661-720						721-780											
601	+	9.624	-38.709	0.80	44.2997	10.0	661	*	+	15.184	-31.962	0.95	44.3017	9.8	721	...	+	24.407	+58.529	-5	...	...
...	...	9.863	+55.222	-5	...	...	...	...	...	15.193	-49.025	-5	...	...	...	+	24.694	-35.038	-4	...	...
...	...	9.878	-16.015	-3	...	...	...	*	...	15.217	+14.482	1.40	43.2937	9.6	...	...	24.822	-41.941	-5	...	...
...	...	9.952	-59.645	-3	44.3001	10.2	...	...	...	15.334	-54.533	-4	...	...	S	+	24.839	-6.952	3.80	43.2946	7.2	
...	...	9.999	-30.731	0.75	44.2999	10.0	...	...	...	15.375	-37.057	-3	44.3018	10.2	...	...	24.906	-17.898	-3	...	...
...	+	10.044	-23.586	-5	...	...	...	+	...	15.430	+0.348	-5	a	...	*	+	25.148	-43.118	1.10	44.3039	9.6	
...	...	10.053	-36.058	-3	44.3000	10.2	...	*	...	15.484	+48.383	1.30	43.2935	9.5	*	...	25.166	-51.348	1.10	44.3040	9.6		
...	...	10.092	-44.283	-5	...	...	...	*	...	15.514	+23.790	0.85	43.2938	10.0	*	...	25.267	-19.629	1.00	44.3037	9.8	
...	...	10.236	+10.425	-3	43.2924	10.2	...	...	...	15.539	-15.228	-4	...	...	...	...	25.335	+32.053	-5	...	...
...	*	10.350	+37.414	1.90	43.2923	8.8	...	...	...	16.108	+54.711	-1	42.2896	10.4	...	...	25.429	-20.332	-2	44.3038	10.2	
611	...	+	10.408	-2.965	0.95	43.2925	10.0	671	...	+	16.242	-32.999	-5	731	...	+	25.724	+37.331	0.90	43.2947	10.1
...	*	...	10.842	-35.995	1.30	44.3002	9.4	...	+	16.451	+39.923	1.00	43.2939	9.8	...	...	...	25.883	-25.537	-5	...	...
...	*	...	10.925	+36.266	0.90	43.2926	9.8	...	...	16.484	+56.807	-4	...	...	*	...	25.896	-19.301	1.10	43.2948	9.4	
...	10.997	-40.877	-3	...	...	...	...	16.673	+15.244	-4	...	...	*	...	26.008	-55.807	1.00	44.3043	9.8		
...	11.131	+57.567	-4	...	...	...	...	16.769	-46.249	0.75	44.3020	10.2	...	...	...	26.022	+38.585	-5	...	...
...	+	11.444	-46.902	-1	44.3005	10.2	...	*	+	16.796	-25.620	0.90	44.3019	10.0	...	+	26.063	-21.227	-5	...	...
...	*	...	11.523	+36.419	1.40	43.2927	9.4	...	...	17.042	+36.709	-4	...	...	...	...	26.155	-30.617	0.75	44.3041	10.0	
...	11.590	-21.367	-1	44.3004	10.0	...	...	17.136	+3.059	-4	...	...	*	...	26.353	-25.343	1.00	44.3042	9.6		
...	*	...	11.597	-17.837	1.10	44.3003	9.6	...	...	17.270	-57.164	-2	44.3022	10.1	...	...	...	26.425	+26.547	-4	...	...
...	11.842	+18.851	-4	...	...	...	*	17.272	-13.056	1.80	44.3021	9.0	...	*	...	26.454	-21.340	1.00	44.3044	9.8	
621	...	+	11.845	-55.727	-4	681	...	+	17.382	+39.737	-5	741	*	+	26.503	+11.575	0.95	43.2949	9.8
...	12.040	-38.435	-4	...	...	...	...	17.790	+3.313	0.75	43.2940	10.0	...	...	...	26.583	+51.966	-5	...	...
...	12.095	-25.877	-5	...	...	...	...	18.287	-8.752	0.65	44.3023	10.0	...	...	...	27.294	-14.061	-4	...	...
...	12.272	-11.659	-4	...	...	...	...	18.338	-23.610	-3	44.3024	10.2	...	...	...	27.367	+59.244	-1	42.2913	10.4	
...	12.348	-32.758	-4	...	...	...	...	18.519	-38.494	-4	...	...	...	...	...	27.395	-23.488	-3	...	...
...	+	12.375	+59.713	0.90	42.2885	10.1	...	...	+	18.814	+52.451	-5	...	...	...	+	27.413	-39.287	-5	...	...
...	12.376	+32.370	-4	...	...	...	...	18.991	+59.112	-3	42.2901	10.4	...	...	...	27.447	-33.448	-5	...	...
...	12.399	+54.944	-3	42.2888	10.2	...	...	19.108	+16.821	-5	...	...	...	+	27.522	-14.924	1.00	44.3045	9.8		
...	12.462	-12.335	-3	...	...	...	...	19.111	-25.699	-4	...	...	...	...	...	27.629	-49.170	0.65	44.3047	10.1	
...	12.581	-31.877	0.70	44.3008	10.0	...	*	19.891	-46.390	1.05	44.3026	9.6	...	...	...	27.688	+42.185	-4	...	...
631	...	+	12.622	+55.379	-5	691	...	+	20.020	+55.534	-4	751	...	+	27.713	-45.188	-5
...	12.643	+34.008	-3	43.2928	10.2	n	...	20.105	+14.741	-3	...	...	...	...	...	27.736	+23.697	-3	...	...
...	12.935	-5.918	-4	44.3009	10.2	n	...	20.219	+14.827	-5	43.2941	10.2	*	...	...	27.742	-36.770	3.00	43.2950	7.6	
...	*	...	12.995	+3.437	1.40	43.2929	9.4	...	...	20.338	-27.007	-1	44.3027	10.2	...	...	...	27.743	-1.468	0.70	43.2952	10.2
...	13.065	-20.956	-2	44.3010	10.2	...	...	20.419	+55.314	-4	...	...	...	...	...	27.893	-11.418	0.80	44.3046	10.1	
...	+	13.290	-38.407	-5	...	...	...	*	+	20.500	-20.926	1.00	44.3028	9.6	...	+	27.928	-30.955	-4	...	...
...	13.298	-18.962	-5	...	...	...	...	20.572	-11.306	-5	...	...	...	...	...	27.934	-38.825	0.75	44.3048	10.2	
...	13.301	-27.976	-1	44.3011	10.2	...	...	20.877	-32.671	0.70	44.3029	10.2	...	...	...	28.007	+21.807	0.70	43.2953	10.0	
...	13.367	+51.468	-4	...	...	...	...	21.188	-32.363	-1	...	...	...	*	...	28.191	-54.149	2.00	43.2951	8.8	
...	*	...	13.655	-54.228	1.00	44.3013	9.8	...	...	21.375	-42.556	-2	...	...	...	...	...	28.192	-43.999	-2	44.3050	10.2
641	...	+	13.689	+43.522	1.30	43.2930	9.5	701	...	+	21.380	+45.111	-5	28.295	-34.035	0.75	43.2954	10.2
...	13.814	-34.622	-4	...	...	*	...	21.514	-38.369	0.95	44.3030	10.0	...	...	...	28.427	-42.630	-5	...	...
...	13.878	-53.478	0.90	44.3014	9.8	...	...	21.515	+34.954	0.65	43.2942	10.1	*	...	...	28.432	-46.694	1.50	44.3051	9.0	
...	13.884	-42.805	-5	...	...	...	...	21.575	+58.677	-5	...	...	...	...	...	28.443	-9.102	0.85	44.3049	10.2	
...	13.999	+19.452	-1	43.2932	10.1	...	...	21.879	-1.286	-5	...	...	...	...	...	28.620	-4.015	-4	...	...
...	+	14.037	+34.806	-4	...	...	...	*	+	22.073	+19.796	0.90	43.2943	9.8	...	...	...	28.810	-11.561	-5	...	...
...	*	...	14.105	+33.383	0.90	43.2931	9.8	...	...	22.087	-37.377	1.80	44.3031	8.8	...	...	...	28.908	-55.790	-4	44.3053	10.2
...	*	...	14.318	+48.298	0.95	43.2933	9.8	...	...	22.089	+39.019	-5	...	...	...	*	...	29.042	+58.578	1.15	42.2918	9.4
...	14.381	-37.396	-4	...	...	...	...	22.208	+24.490	-5	...	...	...	...	...	29.086	-51.142	3	44.3054	10.2	
...	14.400	+35.521	-3	43.2934	10.2	...	...	22.358	+37.212	0.75	43.2944	10.1	...	...	...	29.333	-7.216	0.95	44.3052	10.0	
651	...	+	14.497	+57.724	-3	42.2891	10.2	711	...	+	22.838	-27.590	-4	771	...	+	29.400	44.757	-5
...	14.509	-52.862	-4	...	...	...	...	22.946	-52.502	0.80	44.3033	10.1	*	...	...	29.792	-30.690	0.95	43.2955	9.8	
...	14.846	-18.173	-4	...	...	...	...	23.219	+21.779	-5	...	...	...	...	...	29.882	-55.433	-4	...	...
...	14.892	+48.532	-3	...	...	...	...	23.236	+41.642	-1	...	...	...	...	...	30.473	-57.042	-5	...	...
...	14.920	-55.471	-4	...	...	...	...	23.284	-45.762	0.85	44.3034	10.0	...	...	...	30.490	40.105	0.00	44.3055	9.8	
...	+	14.982	-42.855	-3	...	...	...	...	+	23.908	+13.871	-2	...	...	...	+	30.520	49.962	-4	...	...
S	*	...	15.066	-10.977	3.95	44.3016	7.4	...	...	23.945	+17.908	-3	...	...	...	...	...	30.874	-34.154	0.85	43.2956	10.0
...	15.115	+17.384	-5	...	...	...	*	24.142	+22.810	1.00	43.2945	9.6	...	...	...	30.948	-10.015	-5	...	...
...	15.149	-27.193	-4	...	...	...	...	24.217	-42.512												

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
781-840						841-900						901-960								
781	+	31·621	+47·214	1·20	43.2957	9·8	...	+	38·948	+16·318	-4	43.2974	10·1	...	+	47·737	-49·498	-1	44.3092	10·0
...	...	31·700	+43·175	-4	...	...	...	+	39·017	+11·049	-2	43.2975	10·2	...	...	47·742	+41·289	-4	43.2994	10·2
...	*	31·767	-32·297	1·80	44.3057	9·0	...	*	39·262	+15·751	1·00	43.2976	9·6	...	...	47·751	-4·693	-5	...	...
...	...	31·860	+48·396	-5	...	...	...	...	39·286	-21·567	-5	...	...	S*	47·976	-14·816	1·80	44.3091	9·0	
...	...	32·080	-58·054	-4	44.3059	10·2	...	†	39·634	-17·146	-2	44.3077	10·1	...	...	48·338	+31·335	-1	43.2995	10·2
...	...	+32·445	-16·847	-3	44.3058	10·2	...	...	+39·668	-30·558	-4	...	...	...	+	48·463	+57·626	-1	42.2962	10·4
...	...	32·536	-35·016	-3	44.3060	10·2	...	...	39·842	-6·669	0·90	44.3078	9·8	...	...	48·587	+2·664	0·85	43.2996	10·1
...	...	32·652	+34·231	-3	43.2958	10·2	...	...	39·875	+56·758	-1	42.2937	10·4	...	...	48·955	-22·623	0·85	44.3093	10·0
...	...	32·720	+13·261	-2	43.2959	10·2	...	*	40·872	+5·859	1·00	43.2978	9·8	...	...	49·057	+1·313	-4	...	...
...	†	33·160	-54·922	-5	...	...	...	...	40·914	+56·437	-5	...	...	...	*	49·743	+4·549	1·40	43.2997	9·4
791	...	+33·203	-34·410	-2	44.3062	10·2	851	*	+41·057	+27·759	1·00	43.2977	9·6	911	*	+49·751	-35·145	1·20	44.3095	9·8
...	...	33·436	+54·238	-4	...	...	...	...	41·098	+35·578	-5	...	...	...	*	49·766	-22·439	1·80	44.3094	9·1
...	*	33·515	-7·548	1·20	44.3061	9·6	...	*	41·650	+37·798	1·00	43.2979	9·8	...	*	49·797	+58·162	1·60	42.2965	9·4
...	...	33·602	-12·111	-4	...	...	...	...	41·670	+4·130	-5	...	...	...	...	49·888	+13·755	0·65	43.2998	10·2
...	...	33·641	-0·368	-3	a	...	...	...	41·840	-30·730	-4	...	...	...	...	50·135	+41·805	-5	...	...
...	...	+33·805	+43·121	-4	...	...	...	...	+41·867	+39·994	0·80	43.2980	10·2	...	...	+50·189	+57·226	-5	...	...
...	...	33·901	-7·609	-4	...	...	...	*	41·882	-28·762	1·00	44.3080	9·8	S*	50·410	+25·693	2·30	43.2999	8·4	
...	*	33·912	+23·730	2·70	43.2960	8·0	...	...	41·886	-36·639	-2	...	...	...	50·577	+14·604	0·65	43.3000	10·2	
...	*	33·989	-57·231	1·40	44.3064	9·5	...	...	42·137	-39·511	-3	...	...	...	*	50·901	-30·561	1·20	44.3096	9·8
...	...	34·356	-18·493	-3	...	...	...	*	42·170	+17·862	2·00	43.2981	8·4	...	*	51·199	+10·039	1·20	43.3002	9·6
801	*	+34·475	+37·677	1·00	43.2961	9·8	861	*	+42·303	-4·921	1·00	43.2984	9·8	921	*	+51·237	+44·346	1·40	43.3001	9·6
...	*	34·938	-3·989	0·95	43.2964	9·8	...	...	42·437	+37·490	-5	...	...	...	*	51·242	+8·105	1·00	43.3004	9·8
...	...	34·970	-53·272	-3	44.3066	10·2	...	*	42·636	+50·594	1·00	43.2982	9·8	...	...	51·309	-16·555	-5	...	...
...	*	35·079	+17·710	1·60	43.2963	9·1	...	...	42·792	-14·283	-4	44.3082	10·2	...	...	51·322	+8·331	-3	43.3003	10·2
...	*	35·197	+31·127	1·90	43.2962	9·0	...	*	42·897	+48·452	1·00	43.2983	9·8	...	...	51·336	+18·940	-4	...	...
...	...	+35·385	-37·655	-2	44.3067	10·2	...	...	+43·030	+22·057	-5	...	...	...	...	+52·173	+44·422	-1	43.3005	9·8
...	...	35·398	-51·167	-4	...	...	...	...	43·031	-8·466	-5	...	...	...	...	52·249	+20·627	-1	43.3006	10·1
...	...	35·474	-52·538	-4	...	...	...	*	43·035	+11·912	1·00	43.2985	9·8	...	...	52·269	-26·987	-5	...	...
...	...	35·483	+32·282	-4	...	...	...	...	43·486	+31·572	-2	43.2986	10·2	...	...	52·816	-52·471	-2	44.3097	10·1
...	*	35·817	+35·229	0·90	43.2965	10·0	...	...	43·518	-12·590	0·70	44.3083	10·2	...	...	52·897	+4·077	-4	...	...
811	†	+36·269	+44·804	-4	...	...	...	...	+43·644	-24·159	0·70	44.3084	10·2	931	...	+53·032	-53·265	-5	44.3098	10·2
...	...	36·325	+11·523	-4	...	...	...	...	43·655	-2·957	-5	...	...	...	...	53·297	+28·988	-2	43.3007	10·2
...	n	36·417	-54·026	-2	44.3069	10·0	...	*	44·020	-7·178	1·40	44.3085	9·2	...	...	53·367	-17·745	-5	...	...
...	...	36·419	+49·697	-4	...	...	...	...	44·206	-26·712	0·75	44.3086	10·2	...	...	53·468	+43·010	-5	...	...
...	*	36·514	+36·347	1·30	43.2966	9·5	...	...	44·893	-43·541	-5	...	...	...	...	53·478	+50·937	-3	44.3109	10·1
...	*	+36·641	-21·491	1·00	44.3068	9·8	...	...	+45·305	-51·211	-4	44.3088	10·2	...	*	+53·919	+59·647	1·50	42.2976	9·7
...	n	36·642	-53·924	-4	44.3069	10·0	...	...	45·345	-46·190	-2	44.3087	10·2	...	...	53·941	-45·350	-2	44.3101	10·0
...	...	36·667	-32·115	-5	...	...	...	...	45·499	+48·887	-5	...	...	...	*	54·029	-13·684	0·95	44.3099	9·8
...	...	37·004	-43·231	-5	...	...	...	...	45·677	+8·559	-3	...	...	...	*	54·158	+28·993	1·20	43.3008	9·8
...	*	37·013	+46·388	1·10	43.2967	9·8	...	...	45·744	+13·710	-5	...	...	...	...	54·220	-2·329	-2	43.3010	10·2
821	*	+37·342	-54·095	0·95	44.3071	9·8	881	...	+45·983	+51·502	-5	...	...	941	*	+54·792	+51·528	1·80	43.3009	9·3
...	*	37·503	+8·619	1·60	43.2969	9·2	...	...	46·050	-27·686	-4	...	...	...	...	54·832	-54·298	-2	44.3103	9·8
...	...	37·520	+31·887	-4	...	...	...	*	46·155	+19·989	1·00	43.2987	9·8	...	*	55·437	-20·764	0·90	44.3102	10·0
...	...	37·554	-54·698	-4	44.3072	10·2	...	...	46·278	-14·733	-4	...	...	...	...	55·894	-8·367	-3	44.3104	10·2
...	...	37·592	+49·573	-3	43.2968	10·2	...	...	46·401	+30·629	-4	...	...	...	*	55·895	-44·149	1·00	44.3105	9·8
...	...	+37·854	-44·577	-5	...	...	...	*	+46·436	+7·866	2·00	43.2989	8·7	...	†	+55·943	-35·018	-5	...	...
...	...	38·074	+48·698	-3	43.2970	10·2	...	...	46·477	+10·029	-4	...	...	...	...	56·055	+54·585	-4	42.2980	10·2
...	*	38·109	+17·373	3·00	43.2972	8·1	...	...	46·484	+52·218	-5	...	...	...	...	56·114	+29·745	-5	...	...
...	...	38·119	-48·666	-4	...	...	...	...	46·526	-45·023	-4	44.3090	10·2	...	*	56·260	-3·750	1·00	43.3011	9·8
...	...	38·179	-41·076	-5	...	...	...	...	46·589	+23·311	-5	...	...	...	*	56·422	-53·521	1·00	44.3106	9·8
831	*	+38·186	-56·608	2·00	44.3073	9·2	891	...	+46·640	+21·325	-4	...	...	951	...	+56·596	+28·700	-4	...	...
...	...	38·241	+35·319	0·90	43.2971	9·8	...	*	46·684	-12·090	1·60	44.3089	9·0	...	†	57·073	+59·686	1·40	42.2984	9·8
...	...	38·399	-42·218	-5	...	...	...	*	46·695	+51·181	1·05	43.2988	9·8	...	...	57·097	+17·380	-3	43.3012	10·2
...	...	38·461	+38·862	-5	...	...	...	...	46·723	+11·337	-3	...	...	...	*	57·609	+17·386	1·80	43.3013	9·4
...	...	38·463	-38·741	-3	...	...	...	...	47·113	+17·751	-5	...	...	...	*	57·809	-1·897	1·20	43.3014	9·6
...	...	+38·684	+45·389	-1	43.2973	10·0	...	...	+47·155	+10·656	-3	...	...	...	...	+58·188	-1·008	-3	...	...
...	S*	38·749	-42·638	3·90	44.3075	7·3	...	*	47·203	+5·196	1·00	43.2993	9·8	...	...	58·379	-53·587	-1	44.3108	9·8
...	...	38·808	-18·920	-3	44.3074	10·2	...	*	47·330	+24·408	1·05	43.2991	9·6	...	...	58·581	+58·094	-5	...	...
...	...	38·852	-19·757	-3	...	...	...	...	47·468	+44·103	-1	43.2990	10·1	...	...	58·797	-36·108	-3	44.3109	10·2
...	...	38·893	-51·214	-1	44.3076	10·0	...	*	47·659	+47·823	1·60	43.2992	9·2	...	...	58·846	+56·693	-4	42.2988	10·4

813, 817. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
961-962																	
961	+58.956	-0.561	-3	°	...												
...	59.446	+25.312	-5	...	...										

1-40						41-80						81-120								
I	...	-59.887	+58.005	0.90	42.2965	9.4	41	...	-50.058	-1.768	1.00	43.3014	9.6	81	...	-38.672	+49.043	0.95	43.3028	9.6
S	+	59.494	-14.980	1.30	44.3091	9.0	†	...	49.874	-53.408	0.85	44.3106	9.8	...	...	38.400	+55.521	-3	42.3023	10.0
...	...	59.409	+2.507	-4	43.2996	10.1	...	...	49.722	-0.869	-5	...	...	*	...	38.305	+51.395	1.40	43.3029	9.2
...	...	58.677	-49.645	-4	44.3092	10.0	...	...	48.981	-0.396	-5	E	...	...	...	38.258	-40.827	-5	44.3127	10.2
...	...	58.446	+13.632	-3	43.2998	10.2	*	...	48.887	+36.266	2.90	43.3015	7.6	...	...	38.011	-31.719	-5	44.3128	10.2
*	...	-58.320	+4.415	1.10	43.2997	9.4	...	...	-48.038	-35.922	-5	44.3109	10.2	...	...	-37.444	+12.936	-4	43.3030	10.0
S	*	58.276	+25.574	1.70	43.2999	8.4	...	...	47.920	-53.399	0.65	44.3108	9.8	*	...	37.256	-12.476	1.20	44.3129	9.3
...	...	58.272	-22.763	-4	44.3093	10.0	...	...	47.172	+4.321	0.80	43.3016	10.0	...	...	36.776	-15.912	0.90	44.3132	9.6
...	...	58.044	+44.233	0.90	43.3001	9.6	...	...	47.006	+42.500	-1	43.3018	9.8	...	...	36.613	-38.621	0.70	44.3133	9.8
...	...	57.792	+14.498	-4	43.3000	10.2	*	...	46.839	+27.308	1.30	43.3017	8.8	...	...	36.528	-54.222	-1	44.3131	9.8
II	...	-57.471	-22.556	1.30	44.3094	9.1	51	...	-46.183	-44.245	-4	44.3110	10.0	91	...	-36.347	+2.591	-2	43.3031	9.8
*	...	57.144	+18.853	-5	...	...	*	...	46.168	-9.600	1.10	44.3111	9.2	...	...	36.304	-5.988	-3	44.3134	10.0
...	...	57.110	-35.250	0.85	44.3095	9.8	...	...	45.655	+53.623	-5	43.3020	10.0	...	...	36.063	-22.904	-4	44.3135	10.0
...	...	57.090	+44.344	-4	43.3005	9.8	*	...	45.397	+55.560	1.05	42.3004	9.4	...	...	35.870	-15.159	0.80	44.3136	9.8
†	...	57.030	+9.954	0.90	43.3002	9.6	...	...	45.358	-11.650	0.65	44.3113	9.8	*	...	35.441	-57.270	1.40	44.3137	9.1
...	...	-56.925	+8.023	0.90	43.3004	9.8	†	...	-45.050	+0.231	-4	43.3019	10.0	...	...	-35.339	+35.322	-5	...	...
...	...	56.857	-8.252	-5	43.3003	10.2	...	...	44.478	-25.462	-4	44.3115	10.2	*	...	35.192	-45.071	1.05	44.3138	9.6
...	...	56.302	+20.563	-4	43.3006	10.1	...	...	44.347	-58.952	0.95	44.3114	9.6	*	...	35.118	-57.269	1.30	44.3139	9.1
...	...	56.092	-30.622	0.90	44.3096	9.8	...	...	44.112	-32.144	-3	44.3116	9.8	...	...	35.086	-56.320	-1	44.3140	9.6
...	...	55.822	+59.617	0.80	42.2976	9.7	...	...	44.036	-49.330	-3	44.3117	10.0	...	...	34.970	+2.186	1.00	43.3032	9.8
2I	...	-55.516	+28.961	-5	43.3007	10.2	61	...	-43.182	-30.648	-5	...	...	101	...	-34.890	-22.160	-4	43.3033	10.0
...	...	55.139	+4.046	-5	...	...	†	...	42.732	-59.852	-5	44.3118	10.1	...	...	34.729	+32.820	-4	43.3034	10.2
*	...	54.696	+51.526	1.20	43.3009	9.3	...	...	42.549	+25.114	-2	43.3021	9.8	...	...	34.506	-55.289	-4	42.3030	10.1
...	...	54.657	+28.979	0.90	43.3008	9.8	...	...	42.265	+10.359	0.90	43.3022	9.8	...	...	34.505	-9.564	-4	44.3141	10.1
...	...	53.635	-2.310	-5	43.3010	10.2	...	...	42.260	+29.628	-3	43.3023	10.0	...	...	34.271	+27.820	1.15	43.3035	9.4
...	...	-53.537	+54.635	-5	42.2980	10.2	...	...	-41.745	-7.525	-3	44.3119	10.0	*	...	-34.091	-21.046	2.00	44.3143	8.5
...	...	53.511	-52.468	-5	44.3097	10.1	...	...	41.488	+43.574	-5	43.3024	9.8	...	...	34.080	+59.052	-5	...	...
...	...	53.485	-13.661	0.85	44.3099	9.8	...	...	40.775	-0.629	-4	43.3025	10.0	...	...	34.014	-27.850	-5	43.3035	9.4
...	...	53.290	-53.251	-5	44.3098	10.2	...	...	40.741	+10.734	0.80	43.3026	9.8	...	...	33.856	+30.287	-5	...	...
...	...	52.922	-50.913	-5	44.3100	10.1	*	...	40.667	-8.032	1.20	44.3121	9.4	...	...	33.549	-24.690	-5	44.3144	10.2
3I	...	-52.663	+59.747	-2	42.2984	9.8	71	...	-40.579	-52.497	0.90	44.3120	9.8	111	...	-33.315	-53.460	-5	43.3036	10.2
†	...	52.608	-45.316	-4	44.3101	10.0	...	...	40.371	-45.607	-5	...	...	...	...	32.989	-57.828	-5	...	...
...	...	51.855	-20.699	0.75	44.3102	10.0	...	...	40.341	-22.725	0.90	44.3122	9.8	...	...	32.685	-19.521	-5	...	...
...	...	51.775	-8.292	-5	44.3104	10.2	...	...	40.204	+43.718	0.95	43.3027	9.6	...	...	32.577	-21.024	-1	44.3147	9.8
...	...	51.545	-3.659	0.90	43.3011	9.8	...	...	39.707	-24.303	-5	...	...	...	...	32.540	-41.513	-5	44.3146	10.2
...	...	-51.444	-54.230	-2	44.3103	9.8	...	...	-39.700	-52.100	-2	44.3123	10.0	*	...	-32.267	-41.385	1.15	43.3037	9.6
...	...	51.363	+17.464	-5	43.3012	10.2	†	...	39.674	+4.967	-5	...	...	...	...	31.708	-30.411	0.75	43.3038	9.8
*	...	50.847	+17.490	1.10	43.3013	9.4	†	...	39.225	-49.873	-5	44.3124	10.2	...	...	31.645	-10.810	-2	44.3148	10.1
...	...	50.810	+56.817	-5	42.2988	10.4	*	...	39.070	-30.701	1.40	44.3125	8.9	...	...	31.419	-59.103	0.90	42.3041	9.7
...	...	50.683	-44.055	0.90	44.3105	9.8	*	...	38.915	-56.327	4.50	44.3126	5.8	...	...	31.332	-8.091	-5	...	...

§ 10^m.8=D, -5.

S measured from 1, 128, 271, 387.
SB 57, 203, 328, 440.

105, 108. C.P.D., suspected double

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		§	No.		Mag.	x.		y.	§		No.	Mag.		x.	y.	§	No.	Mag.
121-180						181-240						241-300					
21						181						241					
...	-31.326	+40.598	-5	...	...	...	-18.694	-33.148	-5	...	...	...	-6.977	-16.548	-2	44.3189	10.0
*	31.272	+20.297	1.00	43.3039	9.6	...	18.513	+3.665	0.90	43.3070	9.8	...	6.642	+10.661	-5	43.3096	10.2
...	31.137	-47.050	-5	...	...	...	18.488	+17.641	0.75	43.3072	10.0	...	6.619	-45.864	0.70	44.3190	9.8
...	31.022	+18.377	-4	43.3040	10.2	S*	18.445	+13.464	3.80	43.3071	7.2	...	6.338	-1.495	-4	43.3098	10.2
...	30.913	-46.642	-5	44.3149	10.2	*	18.219	-26.013	1.00	44.3166	9.6	*	6.264	+26.748	1.20	43.3097	9.3
...	-30.877	+17.173	-5	...	...	...	-18.065	+32.464	-3	43.3073	10.1	...	-6.174	-47.043	0.65	44.3192	9.8
...	30.691	+35.375	-5	43.3041	10.2	*	17.778	-13.236	1.00	44.3167	9.5	*	6.007	+37.268	1.00	43.3099	9.8
...	29.712	-42.655	-5	44.3150	10.2	...	17.466	+25.983	-5	...	...	...	5.680	-37.039	-5	44.3193	10.2
...	29.304	+41.860	-2	43.3042	10.0	...	17.068	-4.901	-5	43.3074	10.2	...	5.578	+51.158	0.80	43.3100	9.8
*	29.196	+31.975	1.05	43.3043	9.4	...	16.729	+7.390	-5	...	...	...	5.501	+54.192	-5	...	...
131						191						251					
*	-29.078	+37.270	2.10	43.3044	8.2	...	-16.524	+22.946	0.80	43.3075	9.8	...	-4.707	+50.543	-5	...	...
†	28.609	+39.809	-2	43.3045	10.0	...	16.496	-46.568	0.90	44.3168	9.8	*	4.372	-59.689	1.50	44.3194	9.0
...	28.523	-42.386	-5	44.3152	10.2	...	16.435	+42.175	-3	43.3076	10.1	...	3.293	-44.240	-5	44.3196	10.2
*	28.431	-52.821	1.20	44.3153	9.3	...	16.336	+18.295	-5	43.3077	10.2	*	3.152	-48.320	1.10	44.3197	9.6
...	28.088	-47.534	-5	44.3154	10.2	...	16.284	+17.368	-5	...	...	...	2.618	-2.387	0.95	43.3101	9.8
...	-28.048	-21.713	0.90	44.3155	9.8	...	-16.095	+54.419	-5	43.3079	10.2	...	-2.569	-18.006	-5	...	...
...	28.002	-8.895	-4	...	...	*	16.049	+21.987	1.30	43.3078	9.0	*	2.418	-37.291	1.00	44.3199	9.8
...	27.525	-54.396	-5	...	...	...	15.860	+40.022	-5	...	...	S*	2.165	+37.543	2.00	43.3102	8.3
...	27.492	+16.688	0.75	43.3047	10.0	...	15.769	-38.595	0.75	44.3169	10.0	N	2.165	-19.769	-4	44.3200	9.8
*	27.480	-2.765	1.30	43.3046	9.0	...	15.647	+17.807	-3	43.3080	10.1	...	1.988	-5.558	-5	44.3201	10.2
141						201						261					
...	-27.384	-18.747	-2	44.3156	10.2	...	-15.302	+47.587	-5	...	...	...	-1.963	+54.220	-5	...	...
...	27.257	-13.389	-5	...	...	†	15.163	+10.614	0.90	43.3081	9.6	*	1.813	+2.781	2.50	43.3104	7.5
*	27.080	+56.192	1.20	42.3048	9.0	...	14.965	-51.520	-4	44.3170	10.1	...	1.802	+36.944	-5	43.3103	10.2
...	26.872	+52.725	0.85	43.3049	9.8	...	14.616	-19.553	-4	44.3171	9.8	...	1.666	-37.909	-5	44.3202	10.2
...	26.820	+15.562	-5	43.3048	10.2	...	14.461	-37.278	-4	44.3172	10.2	...	1.653	-51.062	-5	44.3203	10.2
*	-26.684	+41.378	1.00	43.3050	9.6	...	-14.153	-25.848	-4	44.3173	10.1	...	-1.503	+32.834	-1	43.3105	9.8
...	26.502	+41.752	-5	43.3051	10.2	...	13.608	-8.542	-5	...	...	*	1.388	+9.862	1.00	43.3106	9.6
...	26.280	-2.640	-1	43.3052	10.1	...	13.565	-47.609	-4	44.3174	10.2	*	0.944	+13.806	1.20	43.3107	9.3
...	26.252	-9.719	-4	44.3157	10.0	*	12.998	+12.826	1.40	43.3082	8.6	†	0.723	+34.909	-5	43.3108	10.2
...	26.169	-0.854	-5	...	...	...	12.953	-27.786	0.95	44.3175	9.8	...	-0.400	-3.918	-5	m	...
151						211						271					
...	-25.884	+15.190	-5	43.3053	10.2	...	-12.207	+1.565	0.90	43.3083	9.8	Ff	+0.168	+0.034	1.30	43.3109	8.9
...	25.687	+45.037	-5	43.3054	10.2	...	12.178	-51.464	-5	44.3176	10.2	S*	0.346	+50.785	2.40	43.3110	7.7
...	24.764	+22.888	-1	43.3055	10.0	*	11.607	-53.740	1.05	44.3177	9.6	†	0.538	-54.830	1.30	44.3204	8.8
S*	24.528	-2.223	1.40	43.3056	8.7	*	11.464	+56.045	1.20	42.3075	9.1	†	0.605	-59.737	-2	44.3205	9.8
...	24.381	-29.289	0.80	44.3158	9.8	...	11.259	-36.806	-5	44.3178	10.2	...	0.607	+1.783	0.80	43.3111	9.8
...	-24.164	+2.387	-5	43.3057	10.2	*	-11.179	-42.173	1.20	44.3179	9.3	...	+0.792	-0.991	-5	43.3112	10.2
...	23.949	+7.487	-4	43.3058	10.2	...	11.107	+46.999	-5	43.3084	10.2	†	0.943	+24.956	-5	43.3113	10.2
...	23.737	-55.610	-4	44.3159	10.0	...	10.897	+3.911	-4	43.3085	10.0	*	1.313	-58.110	1.10	44.3206	9.3
*	23.330	-32.353	1.05	44.3160	9.6	†	10.772	+9.999	-5	43.3086	10.2	...	1.359	-52.472	-5	...	...
...	22.761	+18.610	0.95	43.3059	9.8	...	10.555	-10.680	-5	44.3180	10.2	...	1.382	+34.772	0.70	43.3114	10.0
161						221						281					
...	-22.566	+0.718	0.90	43.3060	9.6	...	-10.216	+53.013	-5	43.3087	10.2	...	+1.772	-24.249	-5	...	...
...	22.312	+1.942	-2	43.3061	9.8	†	10.129	-12.902	-3	44.3181	9.8	...	1.890	+47.864	0.90	43.3115	9.6
...	22.304	-30.398	-3	44.3161	9.8	...	9.846	+10.429	-1	43.3088	9.8	...	2.128	+32.864	0.90	43.3116	9.8
*	21.719	+58.700	1.25	42.3058	8.9	...	9.592	+59.655	-4	42.3077	10.2	...	3.061	+8.427	-5	43.3117	10.2
...	21.539	+12.037	0.80	43.3062	9.8	*	9.565	-11.315	1.00	44.3182	9.6	...	3.739	+47.264	-5	43.3118	10.2
†	-21.428	-59.782	-4	44.3162	10.0	*	-9.290	-9.496	1.05	44.3184	9.6	...	+3.933	+34.332	0.90	43.3119	9.8
*	21.419	-14.048	1.00	44.3164	9.4	*	9.062	-54.794	1.20	44.3185	9.3	...	4.189	-35.211	-5	...	...
...	21.408	+15.253	0.70	43.3063	9.8	...	8.810	+48.143	0.65	43.3089	10.0	...	4.563	+54.584	-3	42.3093	10.2
*	21.379	-57.635	1.00	44.3163	9.6	...	8.801	-14.087	-5	44.3186	10.2	*	4.588	+24.427	1.20	43.3120	9.2
...	21.027	+57.731	0.80	42.3062	9.8	*	8.671	+5.413	1.00	43.3090	9.5	†	4.600	-59.821	2.30	44.3207	8.4
171						231						291					
α	-20.906	+0.101	-3	43.3064	10.1	...	-8.525	-30.364	-1	44.3187	9.8	*	+5.612	-6.410	1.00	44.3208	9.6
...	20.790	+49.536	-5	43.3065	10.2	...	7.959	+33.934	-5	...	...	...	5.638	+11.357	0.85	43.3122	9.8
...	20.522	-41.776	0.85	44.3165	9.8	...	7.941	-18.513	-5	...	...	*	5.657	+57.559	1.35	42.3097	8.7
*	20.403	+19.670	1.70	43.3066	8.4	...	7.602	+37.912	-2	43.3091	10.0	...	5.721	+30.542	-5	43.3121	10.2
...	20.240	+58.768	-4	42.3064	10.4	*	7.437	+4.426	1.20	43.3092	9.2	...	5.796	+50.780	-5	...	...
†	-20.180	+37.816	1.20	43.3067	8.8	*	-7.243	+37.488	1.90	43.3093	8.5	*	+5.953	+21.723	1.00	43.3123	9.6
...	19.949	+23.987	0.70	43.3068	10.0	*	7.194	+5.463	2.00	43.3094	8.5	...	6.133	-8.313	0.70	44.3209	9.8
...	19.576	+23.386	-5	...	...	...	7.154	+25.520	-5	...	...	†	6.221	+44.884	0.85	43.3124	9.6
...	19.005	+21.205	-5	43.3069	10.2	...	7.136	+35.325	-5	43.3095	10.2	...	6.444	+26.505	0.90	43.3125	9.8
†	18.777	-59.814	-5	...	...	...	7.054	-16.236	-2	44.3188	9.8	†	6.640	-59.758	1.05	44.3210	9.6

§ 10m.8=D, -5.

259. Mass. 45°53, two stars; 45°54, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.																
	x.	y.		§	No.		Mag.	x.		y.	§		No.	Mag.		x.	y.	§	No.	Mag.												
301-360						361-420						421-480																				
301	+	6·827		2·00	43·3126	7·8	361	+	23·899		40·590	-	5	...	...	421	+	37·981		-22·255	-	3	44·3255	10·2						
...	...	6·958		-3	43·3127	10·2	...	...	23·918		-2·317	1·50	43·3157	8·9	...	...	...	+	38·307		-39·894	1·00	44·3257	9·4						
†	...	7·141		0·85	43·3129	9·8	...	...	23·970		-42·440	-	5	...	...	...	...	*	38·498		+52·087	1·00	43·3179	9·5						
...	...	7·166		-3	42·3103	10·1	...	...	24·105		+22·649	1·00	43·3156	9·6	...	...	...	...	...	38·809		-45·041	0·90	44·3258	9·8					
...	...	7·207		0·75	43·3128	9·8	...	...	25·121		+20·054	-	5	...	...	...	...	...	...	39·323		+5·310	-	5	...	...				
...	+	7·734		0·70	44·3211	9·8	...	...	+25·269		+39·686	1·00	43·3158	9·6	...	...	...	...	...	+40·362		+12·640	-	4	43·3180	10·2				
...	...	8·802		-5	...	...	...	...	25·386		-20·947	1·05	44·3231	9·6	...	...	...	...	...	40·395		-32·840	0·80	44·3259	10·0					
...	...	8·827		1·00	43·3130	9·6	...	...	25·604		-25·928	-	4	44·3232	10·1	...	...	...	...	40·643		-6·165	-	5	...	...				
†	...	9·223		-5	44·3212	10·2	...	...	25·620		-21·385	-	5	44·3233	10·2	...	...	...	...	41·350		+39·475	-	5	43·3181	10·0				
...	...	10·125		1·05	44·3214	9·2	...	...	25·753		-21·378	-	5	...	...	...	...	...	...	41·404		-8·827	0·90	44·3260	9·6					
311	...	+10·328		-1	43·3131	10·0	371	...	+25·780		-54·248	-	5	...	...	...	...	...	...	431	+	42·211		+6·995	2·60	43·3182	7·8			
...	...	10·920		-5	42·3107	10·4	...	...	25·932		-58·254	-	5	...	...	...	...	...	...	...	*	42·312		+56·829	1·35	42·3160	9·2			
...	...	11·131		-4	43·3132	10·2	...	...	26·298		+12·260	-	5	43·3159	10·2	...	...	...	...	...	...	42·400		+30·865	-	1	43·3183	9·8		
...	...	11·394		-3	43·3133	10·1	...	...	26·761		-33·003	0·95	44·3235	9·6	...	...	...	...	...	...	...	42·683		-38·687	0·90	44·3261	9·8			
S*	...	11·589		1·20	43·3134	9·2	...	...	26·881		-6·930	1·00	44·3234	9·6	...	...	...	...	...	...	...	42·981		+34·574	-	3	43·3184	10·1		
...	+	12·163		-2	43·3135	10·2	...	...	+27·186		+42·799	-	5	...	...	...	...	...	...	...	...	+43·078		+2·091	-	3	43·3185	10·2		
†	...	12·966		1·00	43·3137	9·6	...	...	27·349		+15·959	-	5	...	...	...	...	...	...	...	...	43·405		-23·513	-	5	...	...		
...	...	13·162		-5	43·3138	10·2	...	...	27·687		+42·608	1·20	43·3160	9·1	...	...	...	...	...	...	...	43·732		-14·281	-	5	44·3262	10·2		
...	...	13·184		1·05	44·3215	9·6	...	...	28·015		-10·600	-	4	44·3236	10·2	...	...	...	...	...	...	43·979		-8·525	0·80	44·3263	9·8			
...	...	13·234		-5	43·3139	10·2	...	...	28·121		-44·352	-	5	44·3237	10·2	...	...	...	...	...	...	44·865		-3·774	-	5	43·3187	10·2		
321	...	+13·308		-5	43·3136	10·2	381	...	+28·565		+41·275	1·00	43·3161	9·6	...	...	...	...	...	...	...	441	+	45·002		-13·655	-	1	44·3264	9·8
...	...	13·496		1·00	44·3216	9·6	...	...	28·604		+25·285	-	3	43·3162	10·0	...	...	...	...	...	...	*	45·043		+50·168	2·00	43·3186	8·4		
...	...	13·854		-5	...	...	...	...	28·976		-20·259	1·00	44·3238	9·6	...	...	...	...	...	...	...	...	45·339		-54·034	-	5	44·3265	10·2	
...	...	14·004		1·00	43·3140	9·8	...	...	29·468		+15·222	1·10	43·3164	9·5	...	...	...	...	...	...	...	...	45·838		-42·333	-	5	44·3266	10·2	
...	...	14·135		0·80	44·3217	10·0	...	...	29·555		-36·200	0·90	44·3240	9·8	...	...	...	...	...	...	...	...	46·251		-36·846	-	4	44·3267	10·1	
...	+	14·224		-1	43·3141	10·0	...	...	+29·628		+48·623	0·95	43·3163	9·6	...	...	...	...	...	...	...	...	+46·431		+48·536	-	5	43·3188	10·1	
...	...	14·799		0·90	44·3218	9·8	...	...	29·919		-23·754	-	3	44·3241	10·1	...	...	...	...	...	...	...	46·485		-9·512	-	5	...	...	
...	...	15·076		-5	...	...	...	...	30·137		-0·561	1·15	43·3165	9·2	...	...	...	...	...	...	...	...	46·492		+35·924	-	1	43·3189	9·8	
...	...	15·118		-5	44·3219	10·2	...	...	30·732		+56·080	-	5	42·3134	10·4	...	...	...	...	...	...	...	46·716		+13·540	-	5	...	...	
...	...	15·360		-4	44·3220	10·2	...	...	30·800		-45·519	-	4	44·3242	10·1	...	...	...	...	...	...	...	*	46·983		+0·713	1·20	43·3190	9·1	
331	...	+15·501		-3	43·3142	10·0	391	...	+31·104		+38·840	1·05	43·3166	9·4	...	...	...	...	...	...	...	451	+	47·165		-25·832	-	5	44·3269	10·2
...	...	15·970		2·10	43·3143	8·2	...	...	31·352		-53·885	0·90	44·3243	9·6	...	...	...	...	...	...	...	...	...	47·531		+4·816	-	3	43·3191	10·1
...	...	16·042		-5	43·3144	10·2	...	...	31·366		+11·638	-	2	43·3167	10·2	...	...	...	...	...	...	S*	47·798		-29·260	1·40	44·3270	8·8		
...	...	16·174		-5	44·3221	10·2	...	...	31·547		-58·603	-	3	44·3244	10·1	...	...	...	...	...	...	...	...	48·238		-3·277	-	5	43·3192	10·2
...	...	16·525		0·65	44·3223	9·8	...	...	32·195		-47·616	-	4	44·3245	10·2	...	...	...	...	...	...	...	...	48·435		-19·303	-	5	...	...
...	+	16·563		-5	...	...	...	...	+32·853		+38·873	-	3	43·3168	10·0	...	...	...	...	...	...	...	...	+48·610		-12·994	-	5	...	...
...	...	16·728		-3	44·3222	10·0	...	...	33·406		+27·423	1·35	43·3169	8·7	...	...	...	...	...	...	...	...	...	48·732		-20·524	-	3	44·3271	10·0
...	+	16·969		2·30	42·3114	7·7	...	...	33·657		-22·276	1·00	44·3246	9·5	...	...	...	...	...	...	...	...	...	48·989		+20·082	-	5	43·3194	10·2
...	...	17·490		-5	44·3224	10·2	...	...	34·012		+34·856	0·80	43·3170	9·8	...	...	...	...	...	...	...	...	...	49·083		+43·078	-	3	43·3193	9·8
...	...	17·988		-3	43·3145	10·0	34·458		-23·523	-	3	44·3247	10·1	49·367		-40·550	-	5	
341	...	+18·081		-5	43·3146	10·2	401	...	+34·525		+22·627	0·90	43·3171	9·8	461	+	49·810		-58·843	-	5	44·3272	10·0
...	...	18·281		-5	S†	...	34·807		+43·528	1·60	43·3172	8·3	49·881		+32·868	-	5	43·3195	10·0	
...	...	18·479		-5	43·3147	10·2	...	...	35·228		-42·212	-	3	44·3249	10·1	...	...	...	...	...	...	...	...	...	50·665		+37·121	0·70	44·3196	9·8
...	...	18·519		1·40	44·3225	9·0	35·310		+27·339	0·90	43·3173	9·6	50·935		+35·175	-	4	43·3197	10·0	
...	...	18·709		-5	43·3148	10·2	35·347		-9·779	-	3	44·3248	10·2	50·970		+5·157	-	5	
...	+	19·159		-4	43·3149	10·2	+35·933		-3·555	-	5	+51·461		+30·422	-	3	43·3198	10·1
...	...	19·221		-4	44·3227	10·2	36·285		+14·520	1·20	43·3174	9·1	51·792		+7·821	1·05	43·3199	9·8	
...	...	19·306		3·80	44·3226	7·0	36·501		+27·737	0·90	43·3175	9·8	52·216		-3·536	1·05	43·3200	9·5	
...	...	19·502		-4	44·3228	10·2	...	...	36·547		+45·771	-																		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		...	No.	Mag.
481-490						491-493											
481	+55.596	-25.096	3	44.3277	10.0	491	+58.406	+45.491	2.00	43.3201	8.6						
...	55.902	-33.168	1.15	44.3278	9.4	*	58.419	+57.575	2.10	42.3204	8.8						
S*	56.256	+8.038	1.20	43.3206	9.2	...	59.408	+41.435	-4	43.3209	9.8						
...	56.406	-40.399	0.90	44.3279	9.8												
...	56.536	+3.903	0.90	43.3207	9.8												
...	+56.779	-38.022	-5	...	...										
...	57.191	-59.399	-5	44.3280	10.2												
*	57.635	+55.669	2.30	42.3202	8.5												
...	58.193	-21.831	-5	44.3281	10.2												
...	58.374	-57.488	-5	44.3282	10.2												

§ 10^m · 8 = D, - 5.

1-40						41-80						81-120					
I	-60.150	+42.917	-2	43.3193	9.8	41	-50.543	+23.036	-5	...	...	81	-41.085	+50.756	2.10	43.3222	8.9
...	59.955	-26.022	-5	44.3269	10.2	*	50.267	-40.294	1.05	44.3279	9.8	...	41.028	+51.258	-3	...	...
...	59.580	-3.441	-2	43.3192	10.2	...	49.989	-37.927	-5	...	...	...	40.877	-20.068	-3	...	...
...	59.548	+19.924	-3	43.3194	10.2	...	49.871	+45.456	-5	...	...	...	40.851	+37.863	0.80	43.3223	10.1
S*	59.225	-29.443	2.15	44.3270	8.8	...	49.844	+2.808	-4	...	...	S*	40.681	-39.309	1.80	44.3289	9.2
...	-59.036	+32.743	-3	43.3195	10.0	...	-49.786	+41.592	0.70	43.3209	9.8	...	-40.656	+33.632	-5	...	...
...	58.913	-19.461	-5	E	...	...	49.049	-21.693	0.70	44.3281	10.2	...	40.530	+8.547	-4	...	...
...	58.910	-13.142	-5	...	...	...	48.927	-59.287	-4	44.3280	10.2	†	40.403	-54.751	1.30	44.3290	9.5
...	58.553	-20.675	0.80	44.3271	10.0	...	48.784	-57.643	-5	...	...	...	40.286	+1.385	-4	...	...
...	58.375	+37.027	0.85	43.3196	9.8	...	48.348	+51.273	-3	43.3210	10.1	...	40.214	+6.137	0.80	43.3224	10.2
II						51						91					
...	-58.065	+35.077	-3	43.3197	10.0	...	-47.795	-57.339	-3	44.3282	10.2	†	-40.111	-15.206	2.20	44.3292	8.6
...	57.373	+30.351	0.75	43.3198	10.1	...	47.576	+33.400	-5	...	...	†	40.014	-57.140	1.10	44.3291	9.8
...	57.101	+5.085	-5	...	...	...	47.182	-17.329	-2	44.3284	10.2	†	39.568	-44.780	1.05	44.3293	9.8
...	56.808	+56.695	-5	42.3189	10.4	...	46.294	+18.603	-4	...	...	†	39.434	-18.992	1.20	44.3294	9.4
...	56.405	-11.090	-5	...	...	...	45.971	+27.626	1.25	43.3212	9.6	*	39.396	+19.631	1.15	43.3225	9.6
*	-56.355	+7.757	1.10	43.3199	9.8	...	-45.947	-23.688	-3	...	...	...	-39.158	+34.856	-2	...	...
...	56.317	-58.957	-1	44.3272	10.0	...	45.923	+35.440	-2	43.3213	10.2	...	38.666	-6.335	-5	B	...
*	55.598	-3.588	1.10	43.3200	9.5	...	45.899	-0.310	1.20	43.3211	9.6	...	38.356	-54.016	-3	44.3296	10.2
...	55.545	+12.215	-2	43.3201	10.0	...	45.722	+46.260	0.65	43.3215	10.1	*	38.352	-35.716	1.10	44.3297	9.6
†	55.244	+36.601	1.50	43.3203	9.2	...	45.514	-12.771	-5	...	...	*	38.170	-1.504	2.00	43.3226	8.6
2I						61						101					
†	-55.197	+17.072	1.30	43.3202	9.5	...	-45.371	-4.118	-1	43.3214	10.2	...	-37.842	-53.773	0.90	44.3298	10.1
†	54.770	-7.917	0.70	44.3273	10.0	†	45.047	-13.867	1.10	44.3285	9.6	*	37.391	+56.202	1.10	42.3233	9.8
...	54.373	+16.141	0.80	43.3204	9.8	...	44.963	-35.256	-2	...	...	...	37.390	-16.337	-2	...	...
*	53.885	-57.080	1.30	44.3274	9.6	*	44.867	+27.389	1.15	43.3216	9.8	*	37.315	+3.571	1.00	43.3227	10.2
...	53.558	-27.660	-5	...	...	...	44.398	-42.465	-5	...	...	*	37.066	-40.863	1.25	44.3299	9.4
...	-53.080	-38.745	-5	...	...	*	-44.287	+10.425	1.20	43.3217	9.6	...	-35.673	-36.138	-4	...	...
*	52.981	-3.666	1.15	43.3205	9.8	...	44.072	-2.252	0.80	43.3218	10.2	*	35.510	+16.112	1.00	43.3228	9.8
*	52.228	-31.966	1.30	44.3275	9.2	...	43.486	-1.027	-1	43.3219	10.2	...	35.487	+28.826	0.90	43.3229	10.0
...	52.176	-14.471	-1	44.3276	10.0	...	43.373	-41.046	-3	...	...	...	35.441	-56.887	0.90	44.3300	10.0
...	51.995	+44.825	-5	...	...	*	43.290	-33.171	1.00	44.3286	9.8	...	35.316	-55.290	-5	...	...
3I						71						111					
†	-51.986	+55.749	2.20	42.3202	8.5	...	-42.880	-12.114	-4	...	...	†	-35.176	-38.369	-5	...	...
S*	51.900	+8.112	1.38	43.3206	9.2	*	42.846	+23.198	1.20	43.3220	9.6	*	34.833	-51.936	1.00	44.3301	10.0
...	51.555	-25.034	0.75	44.3277	10.0	...	42.801	-23.477	-3	...	...	*	34.791	-35.701	1.00	44.3302	10.1
*	51.495	+3.991	1.00	43.3207	9.8	...	42.543	-3.330	-1	...	...	...	34.652	-14.935	0.70	...	...
...	51.357	+33.749	-5	...	...	...	42.131	+58.654	-5	...	...	...	34.606	+0.435	0.75	43.3230	10.2
*	-51.256	+57.692	1.60	42.3204	8.8	...	-42.044	+41.374	-4	43.3221	10.2	...	-34.585	-22.194	0.90	44.3303	10.1
...	51.093	-5.382	-5	A	...	...	41.886	-0.255	-3	...	...	...	34.539	-23.783	0.80	44.3305	10.2
*	50.990	-33.094	1.30	44.3278	9.4	...	41.658	-18.141	1.20	44.3287	9.6	...	34.510	-0.995	-3	A	...
S*	50.898	+45.600	2.00	43.3208	8.6	...	41.477	-41.885	-4	...	...	*	34.428	+28.285	2.00	43.3231	8.6
...	50.841	-57.256	-5	...	...	*	41.268	-46.445	1.10	44.3288	9.8	*	34.347	-57.076	1.10	44.3304	9.8

E measured from 1, 146, 309, 497.
S 62, 214, 398, 610.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
121-180						181-240						241-300								
121	...	-34.153	-20.901	0.90	44.3306	10.2	*	-22.868	+8.503	2.20	43.3257	8.5	*	-11.025	-49.934	1.05	44.3338	9.8		
...	...	34.117	+48.145	-5	...	...	*	22.754	-27.781	1.00	44.3322	9.8	...	10.992	+45.361	-2	...	...
*	...	33.413	-16.274	1.10	44.3307	9.5	...	22.585	+4.771	-5	A	...	...	10.932	-49.051	0.90	44.3337	10.0	
...	...	33.407	+44.469	-2	43.3233	10.2	...	22.226	-34.007	-5	A	...	*	10.777	+29.258	1.00	43.3273	9.8		
...	...	33.251	-1.060	-2	...	...	...	22.101	+32.791	-5	...	...	...	10.464	-36.953	0.75	44.3339	10.2	
...	...	-33.240	-20.561	-2	...	...	*	-22.079	-30.300	1.10	44.3323	9.5	...	-10.081	+3.343	-2	...	...
*	...	33.157	+28.186	1.00	43.3234	9.8	...	21.892	-17.268	-4	...	...	...	9.914	-24.025	-5	B	...	
*	...	33.151	-22.679	1.10	44.3309	9.8	*	21.617	-58.371	1.00	44.3324	9.8	...	9.299	+17.134	-1	...	...
*	...	33.096	-6.554	1.15	44.3310	9.6	...	21.382	+54.760	-5	...	...	...	9.294	-48.943	0.90	44.3340	10.0	
...	...	33.062	-50.363	0.85	44.3308	10.0	...	20.845	-1.529	-2	...	...	...	9.178	-53.447	-5	...	...
131	...	-33.026	+10.241	1.05	43.3232	10.0	181	...	-20.336	+15.047	-4	241	...	-9.007	+44.306	1.30	43.3274	9.6
*	...	32.986	+25.150	1.10	43.3235	9.8	...	20.065	+14.072	-1	43.3258	10.2	...	...	8.952	-43.267	-5	...	...
*	...	32.639	+23.601	1.05	43.3236	9.8	...	19.873	+57.468	-5	...	...	...	...	8.948	+53.569	0.90	43.3275	10.0
*	...	32.568	+45.062	1.10	43.3237	9.6	*	19.870	+29.009	1.00	43.3259	10.0	S †	...	8.707	-14.868	2.18	44.3341	8.4	
...	...	32.475	-27.049	-3	...	...	...	19.638	+59.435	0.80	42.3263	10.0	...	...	8.547	+8.193	-4	...	...
...	...	-32.315	+18.752	-5	...	...	...	-19.230	+4.260	-5	...	...	...	...	-8.459	-34.858	-4	...	...
*	...	32.239	+6.303	1.00	42.3238	10.0	...	19.059	-58.630	-5	...	...	*	...	8.435	-52.239	1.20	44.3342	9.6
...	...	32.084	+22.823	-4	...	...	*	19.014	+33.773	1.40	43.3260	9.2	S *	...	8.430	+9.039	2.58	43.3276	8.3
...	...	31.759	+7.236	0.85	43.3239	10.2	...	18.802	+53.361	-5	...	...	...	...	8.257	-13.230	1.15	44.3343	9.6
*	...	31.457	-48.358	1.90	44.3311	9.0	*	18.554	+48.992	1.10	43.3261	9.6	...	...	8.236	-14.527	-5	A	...
141	...	-30.896	+31.960	2.20	43.3240	8.4	201	...	-18.288	-37.323	0.90	44.3325	9.8	261	...	-8.135	+49.421	-5
...	...	30.825	+22.348	0.80	43.3241	10.2	...	18.269	+17.232	-4	...	...	...	...	8.006	+27.697	-4	...	...
...	...	30.606	+9.149	-4	...	...	...	17.633	-39.130	-2	...	...	*	...	7.916	-19.625	1.05	44.3344	9.8
*	...	30.620	+50.264	2.30	43.3242	8.6	...	17.466	+18.321	-5	...	...	*	...	7.672	-38.365	1.15	44.3345	9.8
...	...	30.501	-16.329	-2	...	...	...	17.204	-0.425	-5	M	...	†	...	7.540	-14.845	0.80	44.3346	10.0
...	...	-29.613	+11.230	-2	...	...	...	-17.119	-45.744	-2	44.3326	10.2	*	...	7.207	-1.335	1.60	43.3277	9.0
*	...	29.451	-48.840	1.25	44.3312	9.5	...	16.811	-1.854	0.70	43.3262	10.2	...	...	7.173	-5.465	-2	A	...
*	...	29.193	+4.944	1.00	43.3243	9.8	...	16.604	+31.981	0.70	43.3263	10.1	...	...	7.151	-57.608	0.90	44.3348	10.2
...	...	28.485	-27.560	-1	44.3313	10.2	...	16.516	+44.403	0.90	43.3264	9.8	*	...	7.095	-8.506	1.35	44.3347	9.2	
...	...	28.285	+17.741	-2	43.3244	10.2	...	16.132	-24.897	-2	44.3327	10.2	...	...	7.024	-31.297	-4	...	...
151	...	-28.257	+33.804	-2	43.3245	10.2	211	...	-16.024	-8.860	0.80	44.3328	10.0	271	...	-6.801	-45.004	-5
...	...	28.161	-24.182	-5	...	...	...	15.882	+7.883	-4	...	...	...	...	6.777	-11.658	0.90	44.3349	10.0
...	...	28.152	-43.336	-4	44.3314	10.2	...	15.319	-17.666	-3	...	...	...	...	6.254	+14.567	-2	...	...
...	...	27.989	+26.735	-5	...	...	...	15.045	-14.567	-1	...	...	*	...	5.829	+35.163	1.10	43.3278	9.8
...	...	27.976	-37.380	0.65	44.3315	10.2	...	14.685	-13.667	0.65	44.3330	10.2	*	...	5.622	-13.956	1.05	44.3350	9.8	
...	...	-27.815	+49.361	-5	...	...	...	-14.456	+3.807	0.80	43.3266	10.2	*	...	-5.532	+28.545	1.00	43.3279	9.8
...	...	27.780	+39.664	0.80	43.3246	10.0	...	14.418	+2.160	0.75	43.3265	10.2	...	...	5.516	+48.706	0.80	43.3280	10.2
...	...	27.006	+50.281	0.75	43.3248	10.0	...	14.267	-2.016	0.80	...	...	...	...	5.139	+31.820	-5	m	...
...	...	26.869	-30.182	-4	...	...	*	14.245	+33.371	1.15	43.3267	9.6	...	...	5.138	-6.573	0.80	...	...
...	...	26.835	-44.097	-5	...	...	...	13.959	+20.802	-4	...	...	...	...	5.076	-53.779	-5	M	...
161	...	-26.813	+16.561	1.00	43.3247	9.6	221	...	-13.736	-45.238	-4	A	...	281	...	-4.991	-34.592	-3	44.3351	10.2
*	...	26.521	+11.491	1.00	43.3249	9.8	...	13.727	-40.001	1.00	44.3331	9.8	...	...	4.962	+6.114	0.75	...	...
...	...	26.445	-19.122	0.70	44.3316	10.0	*	13.556	-46.192	1.10	44.3332	9.8	...	...	4.725	-8.160	-5	B m	...
...	...	25.888	+11.826	-1	43.3250	10.2	*	13.437	-21.521	1.10	44.3333	9.8	...	...	4.545	-44.093	-4	...	...
...	...	25.600	+56.894	-1	42.3254	10.4	...	13.354	-36.908	-5	...	...	S *	...	4.394	-58.645	2.15	44.3352	8.6
...	...	-24.840	-39.078	-5	...	...	...	-13.312	+41.726	0.65	43.3269	10.2	*	...	-4.060	+15.854	1.15	43.3281	9.6
...	...	24.619	+46.967	-5	...	...	*	13.252	+22.913	1.00	43.3268	9.8	...	...	3.939	+51.256	-4	...	...
...	...	24.497	+51.493	-2	43.3253	10.0	*	12.846	+30.957	1.25	43.3270	9.4	...	...	3.876	-5.470	-4	M	...
*	...	24.486	+41.355	1.15	43.3251	9.4	S *	12.775	+25.471	2.60	43.3271	7.9	...	...	3.860	-18.442	0.70	44.3353	10.2
...	...	24.293	+12.442	0.65	43.3252	10.2	...	12.677	-30.629	-2	...	...	...	...	3.639	+37.608	0.75	...	...
171	...	-24.273	+38.785	-4	231	...	-12.237	-38.735	1.15	44.3334	9.8	291	...	-3.599	+35.489	-4	m	...
†	...	24.074	+5.058	1.10	43.3254	9.5	...	12.111	-9.254	-4	...	...	...	...	3.169	+8.527	-2	m	...
...	...	23.967	-40.985	0.75	44.3320	10.1	...	11.773	-2.559	-5	A	...	*	...	2.733	+51.186	1.20	43.3282	9.5	
...	...	23.941	-54.332	-1	44.3319	10.2	...	11.643	+29.625	-5	...	...	...	...	-2.677	-15.425	-1	A	...
*	...	23.779	+43.783	1.05	43.3255	9.8	*	11.617	-22.439	1.00	44.3336	10.0	...	...	2.558	+6.965	-4	A m	...
*	...	-23.611	-22.550	1.00	44.3321	9.8	...	-11.606	+33.899	-5	C	...	*	...	-2.168	+20.323	2.10	43.3283	8.7	
...	...	23.576	-45.570	-4	A	...	*	11.599	-49.012	1.20	44.3335	9.6	...	...	2.132	-5.530	0.80	...	...
...	...	23.138	-25.769	-4	...	...	...	11.476	-47.423	-3	...	...	*	...	1.932	-30.904	1.90	44.3354	9.1
...	...	23.082	+17.307	-1	43.3256	10.2	...	11.371	-23.315	-5	...	...	...	...	1.953	-2.246	-4	M	...
*	...	22.954	+59.750	1.20	42.3259	9.4	...	11.164	+27.653	0.90	43.3272	10.0	...	...	1.137	-17.528	0.90	44.3355	10.2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
481-540						541-600						601-660					
481	+27°331	+ 9°745	0·80	...	...	541	+34°824	-43°358	- 5	...	...	601	+43°782	-17°517	0·65	44·3437	10·6
...	27°368	+ 1°297	- 5	<i>m</i>	...	...	34°863	+ 4°893	- 3	...	...	S *	43°976	-13°995	3·70	44·3436	7·4
...	27°650	-44°296	- 5	...	...	...	34°874	+44°028	0·75	43·3343	10·4	...	44°006	+ 9°880	- 4	<i>a</i>	...
*	27°685	-56°397	1·00	44·3410	10·4	...	35°378	+55°374	0·90	42·3339	10·0	*	44°105	- 2°548	1·00	43·3361	10·1
...	27°943	+58°792	- 5	...	...	...	35°383	-35°074	- 5	...	...	...	44°238	- 1°206	- 2	...	...
...	+28°067	+14°798	- 5	<i>m</i>	...	...	+35°491	+11°400	- 1	43·3344	10·6	...	+44°263	-18°156	- 1	44·3438	10·6
...	28°573	-11°848	- 5	...	...	...	35°532	+18°325	- 5	...	...	...	44°351	-14°982	- 4	...	...
...	28°845	-26°778	- 2	...	...	...	35°619	+14°275	- 2	...	...	...	44°376	- 4°066	0·70	43·3362	10·6
*	28°959	+29°676	1·10	43·3332	10·0	...	35°971	-29°110	- 3	...	...	...	44°411	-45°420	0·75	44·3440	10·4
...	29°009	-40°348	- 5	...	...	...	36°134	-49°141	- 4	...	...	...	44°765	-57°335	- 5	...	...
491	+29°024	+19°563	1·10	43·3333	10·0	551	+36°194	+24°551	- 3	...	...	611	+44°772	+31°364	- 5	...	...
*	29°063	-32°216	1·05	44·3411	10·4	*	36°421	-15°078	1·05	44·3425	10·0	†	44°854	-59°536	- 4	44·3441	10·6
...	29°119	+25°615	- 5	...	...	...	36°452	-40°741	0·75	44·3427	10·4	*	45°268	+ 8°426	1·00	43·3363	10·4
...	29°157	-24°562	- 3	...	...	*	36°579	- 2°687	1·00	43·3346	10·0	...	45°778	- 4°138	- 4	...	...
...	29°564	-20°525	- 5	...	...	...	36°671	-14°639	- 1	44·3426	10·5	*	45°944	-43°146	1·15	44·3442	9·8
...	+29°586	-55°455	- 5	...	...	...	+36°758	+49°528	- 3	...	...	...	+46°136	+16°449	- 2	...	...
...	29°847	+50°677	0·85	43·3334	10·4	...	36°778	+40°356	0·85	43·3345	10·2	...	46°195	+37°058	- 5	...	...
...	29°954	+ 6°177	- 2	43·3335	10·6	...	36°782	-49°029	0·90	44·3428	10·2	...	46°281	-51°124	0·80	44·3444	10·6
...	30°112	+14°861	- 5	...	...	...	36°801	- 1°646	0·70	43·3347	10·5	...	46°322	-24°456	- 5	...	...
...	30°282	-48°088	0·80	44·3412	10·1	...	36°878	+25°280	- 5	<i>a</i>	...	*	46°447	+ 6°026	1·15	43·3364	9·8
501	+30°305	- 2°448	0·90	43·3336	10·5	561	+37°086	-36°009	0·70	44·3430	10·6	621	+46°542	-50°172	- 5	...	...
...	30°457	+ 8°247	- 3	...	...	...	37°174	-22°431	0·70	44·3429	10·6	*	46°886	-37°070	1·15	44·3445	10·0
...	30°497	-36°721	- 1	44·3413	10·6	...	37°360	+45°871	- 5	...	...	*	46°945	- 9°499	1·90	44·3443	8·7
...	30°515	- 6°104	- 5	...	...	...	37°467	+37°749	0·85	43·3348	10·4	*	47°164	+31°719	1·20	43·3365	9·7
*	30°881	+31°586	1·50	43·3337	9·2	...	37°535	+15°821	- 2	43·3349	10·6	*	47°345	+57°965	6·20	42·3366	6·0
*	+30°899	-42°821	1·60	44·3414	8·9	...	+37°570	+33°457	- 3	...	...	*	+47°371	+10°502	1·35	43·3366	9·4
...	31°000	+17°139	- 2	...	...	*	38°147	+40°548	1·30	43·3350	9·7	...	47°582	-32°736	- 4	...	...
...	31°045	+41°442	- 3	...	...	...	38°353	+46°959	0·75	43·3351	10·6	...	47°663	-20°486	- 3	...	...
...	31°100	+43°411	- 3	43·3338	10·6	...	38°386	+21°354	- 5	...	...	*	47°819	- 6°858	1·15	44·3446	9·8
...	31°157	+41°101	- 5	...	...	...	38°493	+15°439	- 1	43·3352	10·6	S †	48°107	-44°724	2·40	44·3447	8·1
511	+31°465	-56°972	- 1	44·3419	10·6	571	+38°925	- 6°237	- 1	...	...	631	+48°123	-43°604	0·90	44·3448	10·4
...	31°498	-19°542	0·75	44·3415	10·6	...	39°391	- 8°394	- 5	...	...	...	48°152	-18°318	- 4	...	...
...	31°585	+14°529	- 5	...	...	†	39°625	+ 0°714	- 5	...	...	...	48°165	+ 3°336	- 5	<i>a</i>	...
...	31°621	-32°769	- 1	44·3417	10·6	...	40°068	-17°511	- 4	44·3431	10·6	...	48°440	+58°780	- 5	42·3370	10·4
*	31°663	-47°164	1·15	44·3418	9·8	...	40°206	+38°428	0·70	43·3353	10·6	...	48°560	-19°301	0·65	44·3449	10·6
...	+32°007	- 8°238	- 5	...	...	...	+40°216	-29°589	- 3	...	...	...	+48°623	+59°939	- 5	42·3371	10·4
*	32°267	+47°294	1·20	43·3339	9·6	*	40°650	+26°630	2·70	43·3354	8·7	...	48°648	+31°510	0·80	43·3367	10·5
...	32°268	-17°474	- 1	...	...	...	40°788	-33°201	0·70	44·3432	10·6	*	48°847	+49°297	1·90	44·3368	9·0
...	32°416	+ 3°653	0·75	43·3340	10·4	*	40°946	+26°428	1·60	43·3355	9·1	*	48°865	-22°779	1·00	44·3450	10·4
S *	32°532	+54°157	2·75	42·3335	7·8	...	41°119	+51°984	- 5	<i>a</i>	...	*	48°888	- 3°298	1·00	43·3370	10·6
521	+32°694	- 6°673	0·65	44·3420	10·6	581	+41°136	+ 2°296	- 1	...	...	641	+48°989	- 5°932	- 5	...	...
...	32°875	+17°937	- 4	...	...	...	41°280	-51°144	- 3	...	...	...	49°264	- 0°501	- 5	<i>x</i>	...
...	32°983	-44°063	- 4	...	...	...	41°296	+ 8°769	- 4	...	...	...	49°287	-11°488	0·65	...	...
...	33°040	-35°157	- 2	...	...	...	41°430	+53°769	0·70	43·3356	10·5	*	49°361	+26°198	1·10	43·3369	10·1
*	33°185	+23°040	1·15	43·3341	9·7	...	41°485	-38°786	- 2	...	...	...	49°619	+19°939	- 2	...	...
...	+33°205	+ 0°059	- 5	<i>β</i>	...	...	+41°510	- 6°745	0·70	44·3433	10·6	...	+49°758	+44°108	- 4	<i>a</i>	...
...	33°303	-49°524	- 5	...	...	...	41°898	-51°418	- 5	...	...	...	49°813	- 5°111	- 4	...	...
...	33°376	+16°378	- 5	<i>m</i>	...	...	41°906	+47°801	0·85	43·3357	10·5	...	49°984	+ 0°487	- 2	...	...
*	33°393	-34°303	1·05	44·3421	10·0	...	42°068	-23°204	- 1	...	...	...	50°016	-10°274	- 4	...	...
...	33°754	-19°985	- 5	...	...	...	42°118	-53°984	- 5	...	...	*	50°390	+ 0°077	1·60	43·3373	9·2
531	+33°792	-10°896	- 5	...	...	591	+42°148	- 4°619	- 1	...	...	651	+50°677	+39°112	- 2	43·3371	10·6
...	33°821	-56°666	- 2	...	...	...	42°151	-50°166	0·75	44·3434	10·4	...	50°801	+38°826	0·65	43·3372	10·6
...	33°828	- 3°245	0·70	43·3342	10·6	*	42°780	+14°629	1·30	43·3358	9·4	...	50°954	+ 4°540	- 5	...	...
...	33°992	-17°258	- 5	...	...	...	42°874	+59°754	0·85	42·3357	9·8	...	50°995	- 2°109	- 5	...	...
...	34°048	-16°546	0·70	44·3422	10·6	...	42°916	-10°838	- 2	...	...	*	51°183	+25°476	1·20	43·3374	10·0
...	+34°072	-34°215	- 4	...	...	...	+43°010	+30°215	0·80	43·3359	10·2	*	+51°196	-56°477	1·30	44·3451	9·8
...	34°085	- 9°921	- 5	...	...	...	43°184	-22°233	0·80	44·3435	10·6	...	51°218	-38°135	- 5	...	...
...	34°307	+48°995	- 5	...	...	...	43°355	+16°095	- 3	...	...	*	51°266	+55°578	1·25	42·3378	9·6
...	34°347	+13°047	- 2	...	...	...	43°639	+20°588	- 5	<i>a</i>	...	...	51°276	-51°766	- 1	44·3452	10·5
...	34°380	-48°227	- 1	44·3423	10·6	*	43°664	+ 8°459	1·35	43·3360	9·4	...	51°564	+19°904	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		...	No.	Mag.
661-680						681-695											
66I	+51.835	-51.535	1.05	44.3453	10.1	68I	+55.441	-12.867	-2	...	...	...		
*	52.049	+20.867	-4	...	...	*	55.581	+3.567	1.00	43.3380	10.6	...					
...	52.171	-25.439	0.75	...	...	...	55.601	+0.362	-5	e	...	...			
...	52.258	+26.669	-5	...	...	*	55.649	+23.063	1.00	43.3379	10.2	...					
...	52.641	-28.134	0.90	44.3454	10.6	...	56.011	+2.853	0.75	43.3381	10.6	...					
*	+52.842	-35.865	1.20	44.3455	10.0	...	+56.034	+53.554	-1	43.3378	10.4	...					
*	52.892	+22.478	1.15	43.3375	10.0	...	56.218	+13.292	-5	...	...	...		
n	53.178	+51.442	-4	43.3376	10.2	...	56.286	-10.943	-1	...	...	...		
...	53.243	+6.952	-1	...	...	...	56.498	-44.926	0.75	44.3458	10.6	...					
...	53.321	+57.851	-2	42.3384	10.4	...	57.349	-34.272	0.80	44.3459	10.6	...					
67I						69I											
n	+53.458	+51.475	-2	43.3376	10.2	...	+57.959	-18.980	-5	...	...	...		
...	53.464	-47.464	0.90	44.3456	10.4	*	58.120	+53.619	1.25	43.3382	9.8	...					
†	53.704	-39.595	-4	...	...	...	58.234	+20.402	-5	...	...	...		
...	53.759	-42.544	-5	...	...	...	58.248	+3.602	-2	...	...	...		
e	53.848	-0.409	0.90	43.3377	10.5	*	58.857	-58.138	1.30	44.3460	9.8	...					
...	+54.029	+17.838	-5	...	...										
+	54.447	+55.453	1.00	42.3389	10.0												
†	54.603	-0.863	-3	...	...										
...	54.737	+17.285	0.65	...	...										
...	55.062	+28.828	-3	...	...										

668, 671, C.P.D., suspected double.

1-30						31-60						61-90					
I	-59.901	-37.276	1.10	44.3445	10.0	31	-55.520	-38.215	-5	...	...	61	-50.077	-44.838	-5	44.3458	10.6
*	59.898	-7.043	1.10	44.3446	9.8	...	55.152	+55.427	0.90	42.3389	10.0	†	49.943	+17.471	-5	...	...
...	59.641	-20.662	-5	...	...	†	55.064	-51.831	-1	44.3452	10.5	...	49.785	+3.729	-2	...	...
*	59.360	+26.038	1.05	43.3369	10.1	†	55.005	-56.534	1.20	44.3451	9.8	...	49.540	-34.157	0.65	44.3459	10.6
...	59.341	-32.919	-4	...	...	...	54.975	-25.488	-2	...	...	...	49.386	-18.843	-4	...	...
...	-59.195	-18.488	-5	...	...	...	-54.898	+6.919	-2	...	...	...	-48.955	+35.067	0.90	43.3383	10.4
...	58.931	-3.448	0.90	43.3370	10.6	*	54.514	-51.585	1.10	44.3453	10.1	...	48.868	+58.405	0.90	42.3402	10.0
...	58.905	+19.788	-5	...	...	...	54.446	+17.832	-5	...	...	*	48.448	+14.025	1.05	43.3384	10.2
...	58.774	-19.468	0.90	44.3449	10.6	*	54.430	-28.174	1.00	44.3454	10.6	*	48.194	+23.281	1.00	43.3385	10.2
...	58.763	-6.096	-5	...	...	E	54.061	-0.422	0.90	43.3377	10.5	...	48.161	+1.569	-2	...	...
II						41						71					
...	-58.471	-43.770	-1	44.3448	10.4	*	-53.999	-35.887	1.15	44.3455	10.0	...	-47.889	+35.179	0.85	43.3387	10.1
S	58.452	-44.871	2.75	44.3447	8.1	...	53.745	+28.837	-2	...	...	*	47.772	+57.727	1.05	42.3404	9.7
...	58.428	+38.999	-3	43.3371	10.6	...	53.718	+17.294	-1	...	...	*	47.720	-0.905	1.10	43.3386	10.1
...	58.368	-22.931	0.90	44.3450	10.4	...	53.504	+53.570	-1	43.3378	10.4	...	47.372	+40.285	0.85	43.3388	10.4
*	58.349	+55.461	1.20	42.3378	9.6	...	53.291	-0.834	-4	...	...	*	47.357	+56.068	1.10	42.3405	10.0
...	-58.295	+38.707	-3	43.3372	10.6	...	-53.013	-39.584	-4	...	...	*	-47.288	-57.963	1.15	44.3460	9.8
...	58.293	-11.633	-1	...	...	...	53.007	-47.458	0.90	44.3456	10.4	...	46.853	-31.597	-4	...	...
...	57.964	+0.358	-3	...	...	*	52.978	+23.108	1.05	43.3379	10.2	*	46.805	+5.161	1.10	43.3389	10.0
...	57.962	-5.238	-5	...	...	...	52.872	-42.547	-5	...	...	...	46.794	+39.175	0.75	43.3391	10.6
F	57.530	-0.047	1.60	43.3373	9.2	...	52.457	+3.609	0.90	43.3380	10.6	...	46.724	+41.728	0.90	43.3392	10.4
2I						51						81					
*	-57.508	+25.369	1.20	43.3374	10.0	...	-52.335	+0.399	-5	E	...	*	-46.627	-6.154	1.00	43.3390	10.4
...	57.073	+4.424	-5	...	...	...	52.102	+13.341	-5	...	...	...	46.377	+40.447	-5	...	...
...	56.968	+19.811	-5	...	...	...	52.092	-12.822	-2	...	...	...	46.286	+9.773	-5	...	...
...	56.874	-2.201	-5	...	...	...	52.008	+2.903	0.75	43.3381	10.6	*	46.235	+37.292	2.10	43.3393	8.7
...	56.505	+20.776	-5	...	...	...	51.520	+35.957	-5	...	...	...	46.194	+4.381	-5	A	...
...	-56.481	+26.611	-5	...	...	*	-51.418	+53.713	1.15	43.3382	9.8	...	-46.159	-28.503	-5	...	...
...	56.355	+57.780	-3	42.3384	10.4	...	51.293	-10.872	-2	...	...	...	46.073	+59.138	-5	42.3407	10.4
n	56.291	+51.378	-5	...	...	...	51.201	+39.234	-5	...	...	...	45.506	+32.069	-5	...	...
n	56.033	+51.431	-1	43.3376	10.2	...	50.698	-26.867	-5	...	...	...	45.505	-27.433	0.80	44.3462	10.6
*	55.721	+22.432	1.10	43.3375	10.0	...	50.305	+20.512	-5	...	...	...	45.373	+25.293	-4	...	...

S measured from 1, 193, 425, 638.
E " " 92, 313, 540, 730.

28, 29, C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-45·332	-22·913	1·00	44·3463	10·5	151	-36·014	-24·733	-5	...	...	211	-27·386	-30·256	1·00	44·3494	10·5
*	45·143	-7·293	0·65	44·3464	10·5	...	35·595	+53·842	0·75	43·3408	10·6	*	27·356	-27·620	5·00	44·3495	6·2
†	45·016	+49·741	-1	43·3395	10·6	*	35·384	+34·988	1·00	43·3409	10·1	...	27·312	+40·934	-5	...	...
...	44·655	+15·017	-1	43·3394	10·6	...	35·233	-31·835	-5	...	...	*	27·308	-36·487	1·10	44·3496	9·8
†	44·557	-16·842	1·70	44·3465	9·2	...	35·032	+45·970	1·40	43·3410	10·1	...	27·276	-48·347	-5	...	...
...	-44·513	-37·271	-5	...	...	*	-34·846	-30·150	1·00	44·3478	10·4	...	-27·103	-23·192	0·85	44·3497	10·6
+	44·506	-9·873	1·70	44·3467	8·7	...	34·810	-13·940	-5	...	...	*	27·023	+21·311	2·20	43·3424	8·1
*	44·317	+48·968	1·15	43·3396	9·8	...	34·708	+0·480	-4	...	...	*	26·641	-20·635	1·10	44·3498	10·0
...	44·279	-18·028	0·65	...	...	*	34·420	-59·106	1·30	44·3479	10·0	...	26·484	+52·789	-3	43·3425	10·6
...	44·144	-16·601	0·65	44·3468	10·6	...	34·411	+51·526	0·85	43·3411	10·4	...	26·377	-23·957	-5	...	...
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...
*	-44·026	+30·817	1·90	43·3397	9·1	...	-34·367	-22·830	-5	...	...	*	-26·053	-32·481	2·30	44·3499	8·2
...	43·867	+41·315	-5	...	...	†	34·092	+54·857	0·85	42·3423	10·1	...	25·975	-46·729	-4	...	...
...	43·844	+44·713	0·90	43·3398	10·2	*	33·846	-6·159	1·25	44·3480	10·0	*	25·904	-26·100	1·05	44·3500	10·1
...	43·765	-22·570	0·80	44·3469	10·5	...	33·200	+55·596	-3	42·3426	10·4	...	25·716	-42·634	-3	...	...
*	43·128	+8·651	1·00	43·3399	10·5	...	33·122	-15·226	0·70	44·3482	10·6	...	25·635	-1·604	-3	...	...
...	-43·047	+15·996	-5	...	...	*	-33·087	+17·266	1·30	43·3412	10·0	...	-25·629	-16·957	0·75	...	...
*	42·993	-55·035	1·25	44·3470	9·8	...	33·074	-51·109	-5	...	...	...	25·469	+11·005	-4	...	...
...	42·904	-18·276	0·75	44·3471	10·6	...	33·033	-49·729	-5	...	...	...	25·288	-22·461	-5	...	...
*	42·790	+12·070	1·05	43·3400	10·1	...	32·975	+42·339	-4	...	...	†	25·095	-50·000	0·70	44·3501	10·6
...	42·644	+1·045	-1	...	...	...	32·890	-41·066	0·75	44·3483	10·5	...	24·684	+42·258	-1	...	...
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...
*	-42·558	-5·076	1·00	43·3401	10·5	*	-32·838	-54·524	1·20	44·3481	10·1	...	-24·576	+9·459	-4	...	...
...	42·514	-18·605	-5	...	...	*	32·819	+8·098	1·00	43·3413	10·5	...	24·535	+17·596	-3	...	...
...	42·505	+52·516	-5	...	...	*	32·567	+25·934	1·00	43·3414	10·1	...	24·414	+33·366	0·85	43·3428	10·5
...	41·821	+8·712	-4	...	...	...	32·450	+44·107	-4	...	...	*	24·330	+57·017	1·30	42·3440	9·5
*	41·811	-6·382	1·00	44·3472	10·4	...	32·435	+45·779	-5	...	...	S*	24·298	+5·459	1·45	43·3426	9·3
...	-41·773	-59·081	-4	...	...	*	-32·414	+58·098	1·35	42·3427	9·4	...	-24·203	-46·337	-5	...	...
...	41·468	+0·556	-1	...	...	S*	32·403	+52·480	1·75	43·3415	9·1	...	24·199	-9·159	-4	...	...
...	41·459	+32·368	-5	...	...	...	32·275	-57·914	-2	44·3484	10·6	α †	24·177	-0·017	1·15	43·3427	9·6
*	41·420	+41·402	1·40	43·3402	9·6	*	32·268	-43·404	1·60	44·3485	9·4	...	24·063	-49·991	-5	...	...
...	41·374	+6·919	-3	...	...	...	32·250	-11·510	0·65	...	...	*	24·033	-18·603	1·00	44·3502	10·2
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
...	-41·282	+1·748	-4	...	...	...	-31·661	-17·825	-2	...	...	*	-23·792	-6·541	1·15	44·3503	9·6
...	41·246	+28·776	-5	...	...	n	31·649	+3·682	-3	43·3417	10·6	*	23·705	+33·460	1·05	43·3429	10·1
...	41·117	+6·651	-4	...	...	...	31·647	-40·962	0·65	44·3486	10·6	...	23·643	+21·700	-5	B	...
...	41·079	-54·398	-3	44·3473	10·6	...	31·626	-41·996	0·75	44·3487	10·6	...	23·564	-24·048	0·80	...	...
†	41·026	+19·944	-4	...	...	n	31·509	+3·707	-3	43·3417	10·6	*	23·541	-31·767	1·00	44·3504	10·2
...	-40·712	-42·109	-5	...	...	α*	-31·480	-0·033	1·00	43·3416	10·1	*	-23·356	+52·281	1·10	43·3430	10·1
...	40·698	+19·053	-5	...	...	*	31·316	-50·085	1·00	44·3488	10·1	...	23·045	-52·902	0·70	...	...
+	40·274	+13·681	2·90	43·3403	8·0	...	31·152	-33·458	0·75	...	...	...	22·900	-15·043	-3	...	...
†	40·190	-54·554	0·65	44·3474	10·4	...	31·120	+24·199	0·75	43·3419	10·6	...	22·870	+26·120	0·80	...	...
...	39·972	-37·052	-1	...	...	*	31·055	+5·374	1·00	43·3418	10·4	...	22·704	-6·938	1·00	44·3507	10·1
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
*	-39·654	+13·267	1·00	43·3404	10·6	...	-30·490	-1·614	0·75	43·3420	10·6	*	-22·696	-40·020	1·00	44·3506	10·6
...	39·602	-10·757	-4	...	...	†	30·334	+48·324	-5	...	...	*	22·595	-15·462	1·20	43·3431	9·7
...	39·585	+9·669	0·70	...	...	†	30·199	+26·567	1·10	43·3421	10·0	*	22·458	-27·370	1·10	44·3508	10·0
...	39·551	-56·312	0·65	44·3475	10·6	*	29·988	+29·649	1·05	43·3422	10·1	...	22·439	-11·982	0·70	...	...
...	39·482	-32·586	-1	...	...	...	29·582	+21·124	-5	...	...	...	22·332	-36·106	-5	...	...
†	-39·452	+34·906	-5	...	...	...	-29·573	+2·844	-2	...	...	*	-22·226	-32·784	1·00	44·3509	10·2
*	39·118	-38·281	1·30	44·3476	10·0	*	29·220	-54·144	1·15	44·3489	9·2	†	22·122	-14·814	-2	...	...
*	39·110	+28·739	1·90	43·3405	8·8	*	29·067	-54·170	1·35	...	...	...	21·995	-3·161	-5	...	...
...	38·872	-42·401	-5	...	...	...	29·027	-11·488	-5	...	...	...	21·929	-7·873	-5	M*	...
*	38·783	+37·330	1·00	43·3406	10·5	...	29·019	-47·995	-5	...	...	...	21·810	+7·805	-5	M	...
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
...	-38·714	+18·658	-2	...	...	*	-29·012	-58·097	0·90	44·3490	10·5	...	-21·561	-40·534	-5	...	...
...	38·688	-33·375	-2	...	...	*	28·663	-38·093	1·10	44·3491	10·0	...	21·476	-23·230	-5	...	...
...	38·555	+1·095	-4	A	...	...	28·585	-9·828	-4	...	...	...	21·395	-39·770	1·10	43·3432	10·0
...	38·268	+48·837	-5	A	...	...	28·347	-8·237	-2	...	...	*	21·299	-43·537	1·10	44·3510	10·0
*	37·594	-1·559	1·00	43·3407	10·2	...	28·303	+18·290	-3	...	...	*	21·231	-7·901	1·15	44·3512	9·6
...	-37·554	-22·188	-1	...	...	*	-27·919	-17·888	0·90	...	...	*	-21·068	+30·813	1·05	43·3433	10·1
...	37·367	-29·183	-5	...	...	*	27·821	+43·962	1·00	43·3423	10·4	*	20·966	+41·814	1·35	43·3434	9·4
...	36·958	+19·645	-2	...	...	...	27·794	-49·318	-5	...	...	...	20·959	-37·707	-4	...	...
*	36·856	-47·567	1·25	44·3477	10·0	*	27·786	-39·531	1·10	44·3492	9·8	...	20·898	-46·014	1·05	43·3435	10·1
...	36·732	+58·298	0·70	42·3421	10·2	...	27·405	-28·884	0·80	44·3493	10·5	...	20·619	-59·635	-3	...	...

182, 185. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
271-330						331-390						391-450						
271	-20°496	+43°570	1·10	43·3436	10·0	331	-12°069	-14°016	1·40	44·3527	9·6	391	-4°809	-15°454	0·70	44·3536	10·6	
*	20°480	+50°743	-2	...	...	*	12°053	+36°994	1·00	43·3453	10·0	*	4°806	+49°870	1·15	43·3468	10·0
...	20°329	-49°054	-4	...	...	...	12°039	+17°418	-5	M	...	...	4°783	+5°488	-1	...	...
*	20°257	-40°935	1·00	44·3513	10·4	...	11°788	+10°011	-2	43·3454	10·6	*	4°676	-38°720	1·50	44·3538	9·7	
...	20°112	-24°044	-2	11°759	+22°219	-5	M	4°673	-19°993	0·80	44·3537	10·6
*	-19°999	-8°483	1·05	44·3514	10·0	...	-11°580	-53°862	-1	-4°623	+38°552	-4	M	...
*	19°866	-1°434	1·10	43·3437	10·0	...	11°482	-28°918	-5	*	4°559	+14°068	1·00	43·3469	10·1
...	19°836	+40°199	-2	11°341	+18°609	-5	M	4°183	-54°455	-3
...	19°757	+20°292	-2	11°319	-12°476	-2	4°181	-37°265	0·80	44·3539	10·6
...	19°608	+55°286	0·80	42·3449	10·6	...	11°283	+33°057	-4	4°097	+13°932	-4	M	...
281	-19°606	+47°522	-2	...	...	341	-11°184	+11°631	-4	A	...	401	-4°092	-18°457	-4	...	...
*	19°358	+22°676	1·00	43·3438	10·6	...	11°062	-22°047	-5	...	...	...	3°971	-43°669	-4	...	...
...	19°344	-44°493	0·80	44·3515	10·6	...	10°811	-16°637	-4	...	...	*	3°909	+56°499	1·30	42·3475	9·8
...	19°212	+14°879	0·85	43·3439	10·6	...	10°770	-17°814	-4	...	...	...	3°647	+8°998	-5	M m	...
*	19°207	+46°707	1·35	43·3440	9·4	...	10°537	+24°928	-3	...	...	...	3°447	+15°624	-3	M	...
...	-18°885	+16°077	-2	...	...	*	-10°453	+4°704	1·30	43·3455	9·6	...	-3°089	-34°680	0·65	44·3541	10·5
...	18°878	+49°616	-5	...	...	...	10°072	+42°715	0·90	43·3456	10·4	...	2°940	+16°343	0·75	43·3470	10·6
N	18°763	-7°144	-5	...	...	...	9°748	-16°426	-5	...	...	...	2°810	+20°662	-5	M	...
S*	18°732	+13°174	2·05	43·3441	8·7	*	9°651	+55°437	2·80	42·3467	8·0	...	2°809	-23°882	-4	...	...
...	18°651	-47°476	0·90	44·3517	10·6	...	9°388	-2°529	-5	...	...	*	2°749	+4°548	1·00	43·3471	10·2
291	-18°552	+26°355	1·10	43·3442	10·0	351	-9°136	-30°515	-5	...	...	411	-2°702	-21°112	-3	...	...
S*	18°438	-49°493	3·03	44·3518	7·9	...	9°113	+29°033	0·80	43·3457	10·4	...	2°493	-16°846	-3	...	...
...	18°315	-11°829	-3	...	...	...	9°076	+32°721	-1	43·3458	10·6	...	2°454	-58°478	-2	44·3542	10·6
...	18°219	-47°709	-5	...	...	*	9°052	-18°525	1·25	44·3528	9·8	...	2°206	+29°855	-5	M	...
*	18°130	-29°569	1·00	44·3519	10·4	...	9°025	+3°010	0·70	43·3459	10·5	...	2°178	+42°764	-3	...	...
*	-18°102	-5°108	1·30	43·3443	9·4	...	-8°578	+39°857	-5	...	...	...	-2°006	-11°415	0·70	44·3543	10·5
*	17°985	+21°127	1·90	43·3444	8·7	...	8°483	-29°703	-1	...	...	...	1°755	+34°762	1·30	43·3472	9·8
*	17°839	+12°373	-4	...	...	...	8°362	+58°353	-5	...	...	...	1°501	+27°791	-2	43·3473	10·6
...	17°788	-4°311	-5	...	...	...	8°263	-13°626	-5	...	...	S*	1°450	-10°088	2·25	44·3544	8·8
*	17°105	+6°079	1·40	43·3445	9·1	...	8°004	+37°812	-2	43·3460	10·6	...	1°153	-42°641	-4	...	...
301	-17°055	+0°894	-1	...	...	361	-7°835	-16°476	-5	...	...	421	-1°081	-31°625	-5	...	...
*	16°950	-16°336	1·00	44·3521	10·2	...	7°749	+10°440	0·80	43·3461	10·2	...	0°831	-44°541	-1	44·3545	10·6	
...	16°945	-59°177	0·90	44·3520	10·4	...	7°607	-20°287	-5	...	...	...	0°553	+5°776	-4	M	...
*	16°769	+11°686	1·10	43·3446	10·0	...	7°340	+45°579	-4	...	...	...	-0°495	-1°013	-5	m	...
...	16°516	-27°360	-5	...	...	...	7°278	+27°906	-1	...	...	*	+0°002	+17°995	1·00	43·3474	10·2
...	-16°450	-31°051	0·85	44·3522	10·6	*	7°183	-29°323	1·20	44·3530	10·0	...	+0°035	+19°745	-5	M	...	
...	16°181	-44°082	-5	...	...	...	7°169	+13°778	0·70	...	...	...	0°082	+18°174	-5	M	...
...	16°124	-28°174	-5	...	...	...	7°043	-3°007	-5	...	...	...	0°147	+54°689	-4	...	...
...	16°029	-1°708	-5	...	...	...	6°954	+17°128	0·70	43·3462	10·6	...	0°154	+12°668	0·65	43·3475	10·6
...	15°655	-0°688	-2	...	...	...	6°918	-10°970	-5	...	...	...	0°254	+47°931	-2	...	...
311	-15°590	-24°423	-4	...	...	371	6°904	+2°009	0·65	43·3463	10·6	431	+0°262	+20°071	-4	...	...
...	15°274	-45°502	0·90	44·3523	10·6	...	6°840	+39°459	-5	...	...	*	0°822	-59°227	1·60	44·3546	9·2
*	15°122	+6°088	1·10	43·3447	9·8	*	6°626	+16°491	1·00	43·3464	10·4	...	0°864	+28°736	-5	M	...	
...	15°036	+58°237	-3	...	...	*	6°534	-47°502	1·00	44·3531	10·2	...	0°984	-19°859	-1	44·3547	10·6
...	15°020	-31°564	-5	...	...	...	6°179	+28°857	-4	...	...	*	1°120	-40°109	1·10	44·3548	10·0
...	-14°934	-22°823	0·80	44·3524	10·4	...	-6°100	-33°054	-5	...	...	*	+1°281	-19°708	1·10	44·3549	10·1
...	14°894	+17°065	-5	M	...	...	5°953	+30°186	-5	M	...	...	1°432	-57°203	-4	...	...
...	14°719	-43°353	-5	...	...	*	5°928	-36°419	1·30	44·3533	9·4	...	1°442	-37°435	-1	...	...
*	14°529	+44°317	1·60	43·3448	9·2	...	5°810	-58°926	0·85	44·3532	10·5	...	1°485	+22°240	-2	...	...
...	14°240	+47°328	-5	...	...	...	5°748	-49°847	-5	...	...	...	1°674	+19°818	-3	...	...
321	-14°142	-15°347	-4	...	...	381	-5°731	-18°592	-5	...	...	441	+1°780	-38°543	1·10	44·3550	10·0
*	13°763	+37°994	2·00	43·3449	8·9	...	5°585	-35°448	0·65	44·3534	10·6	...	+1°798	-49°723	1·20	44·3552	9·3	
...	13°597	+22°951	-5	M	...	...	5°569	-16°320	-5	...	...	*	1°812	-26°280	1·00	44·3551	10·2
...	13°541	-22°641	-5	...	...	...	5°438	+27°162	-2	...	...	*	1°988	-52°321	1·10	44·3553	10·1
...	13°315	+23°960	-5	M	...	...	5°228	+13°910	0·80	43·3465	10·6	*	2°061	+39°074	1·10	43·3476	9·8
*	-13°034	+47°850	4·50	43·3450	6·1	*	-5°144	+10°355	1·50	43·3466	9·4	...	+2°289	-21°325	-5	...	...
...	12°883	+44°707	0·75	43·3451	10·6	*	5°132	-43°437	1·00	44·3535	10·2	...	2°425	+47°200	0·75	...	...
...	12°638	-46°664	-4	...	...	*	4°958	+9°391	1·35	43·3467	9·7	...	2°707	+9°370	-5	M m	...
...	12°558	-42°847	0·70	44·3526	10·6	...	4°900	+13°581	-4	M	...	...	3°051	-48°301	-5	...	...
*	12°542	+6°711	1·60	43·3452	9·4	...	4°829	+3°938	-4	m	...	...	3°504	+28°564	-4	M	...

288. Brighter star. 45°·55, mass of double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.								
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.							
451-510						511-570						571-630												
451	+	3·639	-55·501	-3	...	511	+	11·448	+25·884	1·10	43·3489	10·0	571	+	18·892	-31·002	-4	...						
...	*	3·723	-58·301	1·10	44·3555	...	...	11·576	-18·078	0·80	44·3574	10·6	...	*	19·140	-29·618	2·20	44·3593				
...	...	3·728	+42·187	-5	M	...	...	11·661	-54·099	-5	...	...	...	*	19·353	-28·481	1·00	44·3594		
...	*	4·057	+14·342	1·00	43·3477	...	...	11·958	-21·878	-4	...	...	...	†	19·566	-4·954	-5	...		
...	...	4·346	-20·141	0·90	44·3557	...	...	12·025	-13·454	-4	...	...	...	...	19·629	-42·327	-5	...		
...	*	+4·366	-6·231	1·25	44·3556	9·4	...	+12·096	+47·008	1·50	43·3491	9·2	...	...	+19·814	-46·777	-3	...				
...	...	4·394	-47·826	-3	...	...	...	12·230	+32·131	1·25	43·3492	9·7	...	...	19·821	-39·922	-3	...		
...	...	4·422	-42·464	0·90	44·3558	10·5	...	†	12·308	-24·856	1·25	44·3575	9·4	...	*	19·847	+30·608	1·00	43·3501					
...	...	4·465	-45·096	-5	...	...	...	*	12·360	-42·949	1·10	44·3576	10·2	...	*	19·864	-25·698	1·30	44·3595		
...	*	4·483	+4·034	1·05	43·3478	10·0	...	*	12·474	+8·331	1·10	43·3493	10·2	...	†	20·089	-45·051	1·50	43·3502					
461	†	+4·716	-55·752	-4	...	...	521	†	+12·476	-14·892	-3	...	...	...	+	20·273	+14·949	-4	...	
...	...	4·746	+39·358	-1	...	...	...	...	12·654	+23·227	0·90	43·3494	10·4	...	†	20·707	-29·444	-2	44·3596	
...	†	4·747	-37·493	1·40	44·3559	9·2	...	...	12·703	-54·129	0·80	...	...	...	†	20·727	+10·116	2·30	43·3503	
...	†	4·832	-51·882	-3	...	...	...	*	12·777	-54·140	1·00	44·3578	10·2	...	...	+	20·788	-43·899	-3	44·3597
...	*	4·919	+16·077	4·65	43·3479	6·8	...	...	12·719	+11·434	-5	...	...	...	...	...	20·854	-34·952	-5	...
...	...	+4·967	-1·221	-5	M m	...	...	...	+12·766	-53·952	-5	...	...	...	...	+	21·217	+11·461	-2	...
...	*	5·124	+9·565	1·00	43·3480	10·4	...	...	12·896	-27·451	0·65	...	...	...	...	...	21·581	-55·912	0·70	42·3512
...	...	5·289	-17·885	-3	...	...	...	*	12·998	-27·654	2·20	44·3577	8·9	...	...	...	21·724	-33·686	-5	...
...	...	5·350	-30·800	0·90	44·3560	10·6	...	†	13·025	-19·826	0·85	44·3579	10·5	...	*	22·017	-30·564	1·90	44·3599					
...	*	5·577	-35·512	1·20	44·3561	9·7	...	*	13·524	+3·736	1·00	43·3495	10·4	...	...	...	22·085	-28·308	-5	...	
471	...	+5·581	-51·647	-5	...	...	531	...	+13·735	-58·047	-2	...	...	...	...	+	22·241	-27·562	-5	...
...	*	5·664	-43·464	1·00	44·3562	10·4	...	...	13·759	+47·755	-4	...	...	...	...	...	22·340	-36·136	-4	...
...	...	5·869	-3·722	-5	...	...	...	*	13·871	-48·704	1·10	44·3580	10·0	...	...	*	22·382	-1·085	1·00	43·3504
...	...	5·901	-8·299	-2	...	...	...	...	14·099	-42·489	-1	44·3581	10·6	...	...	...	22·405	+59·840	-5	...
...	*	5·942	-18·844	1·10	44·3563	10·0	...	...	14·159	+38·515	-4	...	...	...	...	...	22·633	-23·026	0·65	43·3505
...	*	+6·022	-39·258	2·20	44·3564	8·4	...	...	+14·387	-51·926	-5	...	...	...	...	...	+23·445	-29·633	-3	...
...	...	6·147	+36·112	-2	...	...	...	...	14·409	+33·809	0·90	43·3496	10·4	...	...	...	23·625	+56·528	-5	...
...	...	6·241	-58·479	0·80	44·3566	10·6	...	...	14·419	+18·229	-5	...	...	...	...	...	23·749	-10·082	-4	...
...	†	6·444	+5·097	-4	14·558	-40·284	-5	*	23·923	-28·076	1·60	42·3516			
...	...	6·468	+9·740	-5	*	14·941	-18·852	2·00	44·3582	9·3	23·947	-50·776	-1	44·3603			
481	*	+6·473	-14·519	1·05	44·3565	10·2	541	*	+15·082	+58·975	1·90	42·3503	9·0	+	24·102	-52·100	-5	...			
...	*	6·760	-51·381	1·10	44·3567	10·0	15·120	-54·518	-1	44·3583	10·6	24·147	-18·235	-1	...			
...	...	6·917	-36·637	-4	*	15·237	+39·623	-3	24·213	-23·919	-5	...			
...	...	7·205	-15·951	-5	*	15·320	+16·144	1·00	43·3498	10·4	24·250	+46·936	-4	...			
...	...	7·592	-31·103	-5	*	15·398	+43·820	1·30	43·3497	9·8	24·302	+14·018	1·15	43·3506			
...	*	+7·910	+45·064	-2	*	+15·417	-3·180	1·70	43·3499	9·6	+24·305	-27·938	-2	...			
...	...	8·549	+12·455	1·00	43·3481	10·6	15·571	-14·286	-5	24·349	-16·705	1·00	44·3602			
...	...	8·826	+12·622	0·70	43·3482	10·6	15·605	-43·229	-3	24·487	+5·461	-5	...			
...	...	9·033	+11·599	-2	15·649	-46·141	-5	†	24·716	-41·223	-5	...		
...	*	9·238	-52·320	1·00	44·3569	10·4	...	*	15·934	-43·509	1·00	44·3584	10·4	25·184	-59·497	-4	...		
491	†	+9·587	+16·676	-1	551	...	+16·024	+20·465	-2	+	25·580	-37·046	-5	...		
...	†	9·639	+44·609	0·70	*	16·317	-35·239	1·00	44·3585	10·1	25·622	-54·026	0·90	44·3606		
...	...	9·651	+50·127	-5	†	16·440	-29·741	0·65	44·3586	10·2	*	25·724	-28·976	4·50	44·3605	
...	*	9·661	+35·197	1·20	43·3483	9·4	...	†	16·503	+39·976	-4	*	25·971	-49·803	-3	...	
...	†	9·732	-16·150	-5	*	16·563	+59·264	1·20	44·3587	10·0	26·145	-34·70	1·00	43·3508	
...	*	+9·746	+13·421	1·00	43·3485	10·4	+16·663	-47·991	-5	S*	+26·248	+44·521	2·70	43·3507	
S*	...	9·789	+28·228	1·90	43·3484	8·8	16·714	-15·070	-3	26·266	-25·747	-2	...	
...	...	9·942	+8·613	-4	*	16·823	-27·665	1·20	44·3588	9·8	26·306	-14·044	1·05	44·3607	
...	*	9·953	-13·115	1·35	44·3571	9·4	16·961	-58·030	-3	26·606	-30·232	0·80	44·3608	
...	*	9·959	-14·207	1·10	44·3570	10·0	...	*	17·030	+4·499	-4	26·658	-21·881	-3	...	
501	...	+10·014	+36·128	0·90	43·3486	10·6	561	...	+17·067	+2·719	-3	+	26·775	+37·983	-4	...
...	...	10·037	-29·072	-4	17·073	-32·726	-4	*	26·855	-51·973	2·50	43·3509
...	*	10·549	-43·467	1·00	44·3573	10·5	17·189	-19·092	0·65	44·3589	10·6	26·901	+47·731	-5	...
...	†	10·655	+10·146	-5	17·262	-17·848	-5	27·053	-45·531	-1	44·3609
...	*	10·754	+52·726	1·00	43·3487	10·6	...	*	17·290	-19·946	1·25	44·3590	10·0	27·161	-10·440	0·70	43·3510
...	...	+10·892	+19·098	0·90	43·3488	10·6	+17·350	-47·257	-5	*	+27·811	-10·024	1·00	44·3610
...	...	10·903	+15·932	-2	*	17·951	-42·819	1·05	44·3591	10·2	28·120	-42·883	-5	...
...	*	11·053	+56·938	3·00	42·3497	7·8	...	*	17·994	+30·324	1·00	43·3500	10·1	28·197	-23·016	0·75	44·3611
...	...	11·232	+58·393	-5	18·705	-55·864	-5	28·202	+32·904	-5	...
...	...	11·376	-3·957	0·85	43·3490	10·6	...	*	18·769	-17·924	1·00	44·3592	10·2	*	28·700	-32·759	1·10	43·3512

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-690						691-750						751-810					
63I	+28.713	-33.715	1.30	44.3612	9.7	69I	+38.094	-26.144	0.5	...	...	75I	+48.687	+50.521	0.90	43.3549	10.1
...	28.726	-48.433	0.5	...	...	...	38.134	-6.992	0.75	...	...	...	48.874	-22.278	0.5	...	...
*	28.782	+50.364	1.80	43.3511	9.3	...	38.216	+42.930	0.5	...	...	*	48.891	-7.108	1.30	44.3651	9.8
...	29.027	+2.527	0.4	a	...	*	38.297	+47.212	1.20	43.3534	9.4	*	48.965	-35.018	2.00	44.3652	8.9
S*	29.060	+9.002	3.95	43.3513	7.3	*	38.452	-26.397	1.10	44.3627	10.0	...	49.286	-23.744	0.5	...	...
...	+29.095	-32.606	0.5	...	...	*	+38.882	+47.069	1.00	43.3536	10.2	...	+49.635	+27.177	0.3	43.3552	10.6
...	29.444	+17.094	0.1	43.3514	10.6	...	38.923	+13.247	0.5	...	...	*	50.211	+8.169	1.10	43.3555	10.1
...	29.609	+35.373	0.1	...	...	*	38.961	+55.955	1.05	42.3540	10.0	*	50.310	+21.364	1.20	43.3554	10.1
†	29.731	-38.787	0.5	...	...	...	39.052	-37.400	0.5	...	...	...	50.455	-11.616	0.70	44.3653	10.6
...	29.752	+26.014	0.5	...	...	†	39.556	-19.066	2.00	44.3628	8.7	*	50.537	-22.864	1.00	44.3654	10.2
64I	+29.869	-16.040	1.00	44.3613	10.5	70I	+39.729	-34.145	0.75	44.3629	10.6	76I	+50.558	+52.489	1.10	43.3553	10.0
*	30.062	+4.728	1.00	43.3515	10.4	*	39.814	-41.737	1.10	44.3630	10.2	...	50.650	+29.785	0.65	43.3556	10.5
...	30.107	-44.087	0.90	44.3614	10.6	...	39.846	+13.973	0.90	43.3537	10.6	...	50.655	+42.091	0.5	...	...
*	30.213	+8.147	1.00	43.3516	10.6	...	40.031	+4.999	0.1	...	...	*	50.960	-20.068	1.05	44.3655	10.2
...	30.574	-8.318	0.5	...	...	...	40.047	+12.876	0.90	43.3538	10.6	*	51.311	-35.508	2.05	44.3656	8.9
...	+30.584	-25.806	0.4	...	...	...	+40.341	+51.990	0.4	...	...	...	+51.535	+38.111	0.85	43.3557	10.4
...	30.586	+42.383	0.65	43.3517	10.6	...	41.231	+39.490	0.3	43.3539	10.6	...	51.688	+56.734	0.90	42.3556	10.2
*	30.827	+21.724	1.00	43.3518	10.6	n	41.343	+43.130	0.3	43.3540	9.0	*	51.690	-15.838	1.00	44.3657	10.2
*	30.936	-2.927	1.10	43.3520	10.0	...	41.357	-11.449	0.5	...	...	...	51.783	+10.653	0.4	...	...
...	31.072	+23.220	0.5	...	...	n*	41.449	+43.397	2.00	43.3540	9.0	*	51.842	-56.731	1.25	44.3658	10.0
65I	+31.073	+1.776	0.4	...	...	71I	+41.478	-23.002	0.5	...	...	77I	+51.849	-13.865	0.5	...	...
...	31.153	+17.371	0.90	43.3521	10.6	*	41.544	-26.725	1.50	44.3631	9.4	...	52.285	-13.761	0.5	...	...
†	31.204	+29.977	1.35	43.3519	9.0	...	42.133	+47.026	0.5	43.3541	10.6	...	52.289	-51.373	0.85	44.3660	10.4
...	31.233	-24.368	0.5	...	...	*	42.289	+38.674	1.05	43.3542	10.0	...	52.450	-46.811	0.3	44.3661	10.6
...	31.260	+0.803	0.3	...	...	...	42.533	-18.858	0.4	...	...	*	52.515	+5.731	1.00	43.3559	10.4
α	+31.287	+0.070	0.1	43.3522	10.6	...	+42.582	+36.601	0.2	43.3543	10.6	...	+52.559	-20.777	0.4	...	...
†	31.421	-39.781	1.60	44.3616	8.9	...	42.713	+33.120	0.2	43.3544	10.6	S*	52.610	-12.048	2.60	44.3659	8.2
†	32.061	-1.121	2.40	43.3525	8.5	*	42.999	-37.143	1.10	44.3632	10.1	...	53.198	+38.821	0.80	43.3558	10.5
*	32.162	+9.249	1.10	43.3524	9.8	...	43.071	-10.503	0.1	...	...	...	53.655	+50.141	0.5	...	...
...	32.297	+49.774	0.65	43.3523	10.6	*	43.120	-31.524	1.10	44.3633	10.1	...	53.671	-39.859	0.3	...	...
66I	+32.682	-21.365	0.70	...	...	72I	+43.186	-35.615	0.4	...	...	78I	+53.741	+4.413	0.5	...	...
*	32.937	-4.439	1.20	43.3526	9.6	*	43.237	-35.854	1.00	44.3634	10.4	...	53.891	+10.368	0.5	...	...
...	33.088	-47.149	0.85	44.3617	10.6	...	43.335	+29.916	0.5	...	...	...	53.915	-34.068	0.2	...	...
...	33.353	-54.319	0.5	...	...	...	43.476	+8.003	0.90	43.3546	10.6	*	54.089	-42.336	1.70	44.3664	9.4
*	33.566	+20.781	1.50	43.3527	8.9	...	43.662	+17.340	0.90	43.3547	10.6	...	54.527	-37.374	0.4	...	...
...	+33.709	-6.360	0.65	44.3619	10.6	*	+43.730	-41.861	1.20	44.3638	10.0	...	+54.676	+2.728	0.70	43.3561	10.6
...	34.120	+44.363	0.5	...	...	...	43.784	+47.096	0.3	43.3545	10.6	*	54.814	-25.643	1.00	44.3665	10.4
*	34.826	+4.823	1.10	43.3528	9.8	*	43.911	-13.117	1.15	44.3637	9.8	...	55.004	-51.877	0.5	...	...
...	35.226	-18.201	0.65	...	...	*	44.056	-46.077	1.00	44.3639	10.4	...	55.362	-35.586	2.90	44.3666	8.1
*	35.227	-34.036	1.05	44.3620	10.0	†	44.486	+54.744	1.00	42.3548	10.0	...	55.527	+26.480	0.3	43.3562	10.6
67I	+35.288	-35.755	4.05	44.3621	7.4	73I	+44.993	-50.895	0.5	...	...	79I	+55.555	-32.326	0.4	...	...
S*	35.375	+8.351	1.00	43.3529	10.5	...	45.085	-5.890	0.5	...	...	...	55.598	+49.931	0.3	43.3560	10.5
*	35.583	-24.675	0.90	44.3622	10.5	...	45.397	+8.735	0.5	...	...	...	55.827	+38.454	0.3	43.3563	10.6
...	35.593	-20.505	0.4	...	...	*	45.559	-38.512	1.00	44.3641	10.2	*	56.197	+22.424	2.30	43.3564	8.6
...	36.173	+57.885	0.90	42.3534	10.2	...	45.871	-16.619	0.2	44.3642	10.6	...	56.251	-14.975	0.65	44.3667	10.6
*	+36.231	-5.339	1.00	43.3530	10.2	...	+46.278	-5.857	0.3	...	...	...	+56.271	+8.433	0.2	43.3565	10.6
...	36.372	-38.353	0.65	...	...	...	46.441	-48.675	0.1	44.3644	10.6	...	56.286	-21.781	0.5	...	...
*	36.412	-54.220	1.10	44.3623	9.8	...	46.489	-18.421	0.65	44.3643	10.6	...	56.683	+20.971	0.5	...	...
...	36.514	+0.611	0.5	a	...	...	46.548	-6.080	0.1	...	...	...	56.732	+15.554	0.2	...	...
...	36.738	-2.601	0.2	...	...	*	47.429	+39.668	1.00	43.3548	10.2	*	56.924	+2.345	1.15	43.3567	10.2
68I	+37.147	-17.971	0.4	...	...	74I	+47.442	-36.733	1.60	44.3647	9.7	80I	+56.944	+5.318	0.4	...	...
*	37.156	+49.036	1.65	43.3531	9.2	*	47.450	-20.688	1.50	44.3646	9.4	†	57.172	+25.086	0.5	43.3566	10.6
...	37.280	+25.796	0.4	...	...	*	47.714	-32.966	1.40	44.3648	9.8	...	57.194	-19.424	0.5	...	...
...	37.314	-35.392	0.5	...	...	...	47.841	-35.373	0.75	44.3649	10.6	...	57.387	+16.093	0.5	...	...
...	37.357	-26.816	0.4	...	...	...	47.860	+38.768	0.3	...	...	...	57.902	-3.692	0.75	43.3570	10.6
*	+37.399	-55.699	1.10	44.3624	10.0	*	+47.934	-42.478	1.40	44.3650	10.0	n*	+58.041	+14.328	1.80	43.3569	8.8
...	37.512	-11.515	0.3	...	...	...	48.071	-15.928	0.5	...	...	n*	58.253	+14.316	1.50	43.3571	9.4
*	37.745	+24.069	1.10	43.3533	9.8	*	48.179	+10.270	1.00	43.3551	10.4	*	58.434	-2.792	1.70	43.3571	9.4
*	37.938	+48.314	1.00	43.3532	10.1	...	48.258	-29.971	0.5	...	...	...	58.473	+46.961	0.2	43.3568	10.5
*	38.084	+32.099	1.05	43.3535	10.1	*	48.469	+24.024	1.00	43.3550	10.2	...	58.669	-29.138	0.75	44.3668	10.4

708, 710. C.P.D., suspected double.

806, 807. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam. -4.	C.P.D.		Notes.	Co-ordinates.		Diam. ...	C.P.D.		Notes.	Co-ordinates.		Diam. ...	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
811-817																	
811	...	+59°016	-37°641	0·80	44·3670	10·4	...	...	...	...	...	...	...	...	...	...	...
†	...	59·122	-29·740	-5	44·3669	10·6	...	...	...	...	...	...	...	...	...	...	...
...	...	59·235	-35·632	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	59·347	+32·135	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	59·404	+20·323	1·10	43·3572	9·8	...	...	...	...	...	...	...	...	...	...	...
†	...	+59·460	-5·297	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	59·481	-34·892	-5	...	...	...	...	...	...	...	...	...	...	...	...	...

1-40						41-80						81-120								
I	...	...	...	...	...	41	...	...	...	...	...	81	...	...	...	...	...
†	...	-60°067	+10°084	-3	43·3551	10·4	...	-51°527	+25°190	-5	43·3566	10·6	...	...	-41°261	-35°837	0·70	44·3675	10·2	
†	...	60·001	-48·904	-5	44·3644	10·6	*	51·471	-35·541	2·00	44·3666	8·1	...	...	41·082	-53·369	0·80	44·3676	9·8	
*	...	59·852	-20·878	1·00	44·3646	9·4	R	51·390	-32·280	-5	...	...	R	...	40·787	-47·754	-5	...	...
*	...	59·369	-36·931	0·95	44·3647	9·7	...	...	51·235	-14·906	-4	44·3667	10·6	...	...	40·538	+3·715	0·85	43·3586	10·0
*	...	59·216	-33·156	0·90	44·3648	9·8	...	...	51·082	+2·433	0·80	43·3567	10·2	†	...	40·529	-39·905	-3	44·3677	10·6
...	...	-59·121	+27·028	-5	43·3552	10·6	...	...	-50·891	+47·082	-4	43·3568	10·5	†	...	-40·176	-46·275	-4	44·3678	10·6
...	...	59·015	-35·558	-4	44·3649	10·6	n*	...	50·327	+14·447	1·40	43·3569	8·8	...	...	40·014	-15·297	-1	44·3679	10·4
...	...	58·976	+52·360	-3	43·3553	10·0	n†	...	50·103	+14·432	0·95	43·3570	10·6	...	...	39·787	+17·079	-3	43·3587	10·6
*	...	58·827	-7·254	0·95	44·3651	9·8	...	...	49·923	-3·581	-4	43·3570	10·6	...	...	39·683	+39·054	0·90	43·3588	10·1
...	...	58·711	-42·667	0·80	44·3650	10·0	*	...	49·413	-2·669	1·00	43·3571	9·4	...	...	39·473	-40·120	-4	44·3680	10·6
II	51	...	...	...	...	...	91	...	...	...	...	...	...
...	...	-58·261	+21·237	0·85	43·3554	10·1	*	...	-49·129	+20·474	0·85	43·3572	9·8	...	...	-39·390	-7·970	-3	44·3683	10·4
...	...	58·184	+29·669	-4	43·3556	10·5	...	...	48·370	-28·990	-2	44·3668	10·4	...	...	39·342	-31·534	-4	44·3681	10·5
...	...	57·967	+8·054	0·85	43·3555	10·1	R	...	48·298	-5·144	-5	...	...	...	...	39·265	-10·439	0·80	44·3682	10·1
...	...	57·943	+56·639	-4	42·3556	10·2	...	...	48·177	+38·069	-3	43·3573	10·5	...	...	38·650	-52·405	-4	44·3684	10·6
*	...	57·901	-35·157	1·35	44·3652	8·9	...	...	48·020	+47·820	-3	43·3574	10·4	S*	...	38·484	+42·428	1·05	43·3589	9·4
...	...	-57·569	+38·019	-3	43·3557	10·4	...	...	-47·907	-29·583	-4	44·3669	10·6	R	...	-38·295	-14·695	-5	...	...
...	...	57·121	-11·721	-3	44·3653	10·6	...	...	47·838	+2·484	-5	...	...	...	...	38·091	+17·427	-4	...	...
...	...	56·700	-22·957	-2	44·3654	10·2	...	...	47·774	-37·475	-2	44·3670	10·4	...	...	36·998	-24·266	-5	44·3685	10·6
...	...	56·355	-20·147	-2	44·3655	10·2	...	...	47·557	+44·419	-4	43·3575	10·6	...	...	36·740	+2·075	0·80	43·3590	10·0
...	...	55·911	+38·774	-4	43·3558	10·5	R	...	47·387	-34·712	-5	...	...	...	...	36·647	+48·215	-2	43·3591	10·2
21	61	...	...	...	...	...	101	...	...	...	...	...	...
...	...	-55·750	-15·900	-1	44·3657	10·2	...	...	-46·913	-33·389	-5	...	...	R	...	-36·608	-34·267	-5	...	...
...	...	55·590	+5·682	-2	43·3559	10·4	...	...	46·623	-2·208	-4	43·3576	10·6	S*	...	36·552	-45·138	2·30	44·3686	7·7
*	...	55·535	-35·570	1·50	44·3656	8·9	R	...	46·442	+40·110	-5	...	...	*	...	36·440	-17·189	0·90	44·3687	10·0
S*	...	54·942	-12·094	1·80	44·3659	8·2	...	...	46·138	-3·105	0·80	43·3577	10·0	R	...	36·025	+37·823	-5	...	...
R	...	54·745	-20·806	-5	...	...	...	...	44·928	-46·050	-3	44·3671	10·4	...	...	35·907	-50·800	-4	44·3688	10·6
...	...	-54·374	-56·779	0·70	44·3658	10·0	...	...	-44·877	+43·334	-5	43·3579	10·6	...	...	-35·872	+44·046	0·90	43·3592	10·0
...	...	54·093	-51·412	-3	44·3660	10·4	...	...	44·758	-27·480	-4	44·3672	10·6	...	...	35·612	-49·494	-2	44·3689	10·2
...	...	54·044	-46·830	-5	44·3661	10·6	...	...	44·660	+26·767	-3	43·3578	10·6	...	...	35·147	+22·540	-3	43·3593	10·4
...	...	53·843	+49·963	-5	43·3560	10·5	...	...	44·358	-31·741	-4	...	...	...	...	34·903	+26·584	-1	43·3594	10·2
...	...	53·351	+2·745	-3	43·3561	10·6	...	...	43·889	-33·141	-3	44·3673	10·5	...	...	34·884	-26·868	-5	44·3690	10·6
31	71	...	...	...	...	...	111	...	...	...	...	...	...
...	...	-53·275	+38·492	-4	43·3563	10·6	*	...	-43·627	+6·697	1·20	43·3580	9·2	...	...	-34·555	-26·955	0·80	44·3691	10·2
...	...	53·203	+26·498	-4	43·3562	10·6	*	...	43·608	+13·010	1·10	43·3581	9·2	...	...	34·321	-35·311	-4	...	...
...	...	53·043	-39·857	-5	...	...	...	...	43·550	+15·271	-4	...	...	S*	...	34·207	-8·292	2·10	43·3595	8·0
...	...	52·974	-34·062	-4	...	...	...	...	43·246	+38·814	-4	43·3583	10·6	*	...	34·131	-30·280	1·00	43·3596	8·7
*	...	52·549	-42·328	1·20	44·3664	9·4	...	...	43·093	+51·361	-2	43·3584	10·2	...	...	33·680	-15·149	-4	43·3598	10·6
*	...	-52·424	+22·483	1·70	43·3564	8·6	...	...	-43·059	+1·603	0·70	43·3582	10·2	...	...	-33·672	+34·022	-3	...	...
...	...	52·342	-25·612	-3	44·3665	10·4	...	...	42·282	+0·988	-2	43·3585	10·4	...	...	33·647	-4·139	-2	43·3597	10·6
...	...	52·291	-37·358	-4	...	...	R	...	41·915	-42·354	-5	...	...	...	...	33·566	-27·324	-3	44·3693	10·6
...	...	51·945	+8·495	-5	43·3565	10·6	...	...	41·733	-25·359	-2	44·3674	10·4	...	...	32·743	-31·539	-4	44·3694	10·6
R	...	51·664	+15·633	-5	...	...	R	...	41·351	-3·915	-5	...	...	...	...	32·644	-30·990	-3	44·3695	10·6

§ 10^m·8 = D, - 5.

S measured from 1, 132, 227, 327.
E " " 65, 184, 288, 374.
MC " " all stars marked R in column 1.

All diameters revised. The 43 stars marked R in column 1 were measured by MC in course of the revision 47, 48. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
121-180						181-240						241-300					
121	-32°377	+4°200	-3	43.3599	10.6	181	-16°128	+18°348	-3	43.3617	10.6	241	+3°367	-13°297	1.10	44.3745	9.4
...	32°189	+56°139	-4	42.3610	10.4	...	15°783	+3°122	-3	43.3618	10.4	...	3°467	+9°522	-4	43.3647	10.6
...	31°975	-59°457	-4	44.3696	10.6	...	15°593	+31°664	-4	43.3619	10.5	...	3°746	+32°547	-3	43.3648	10.4
*	31°724	+54°079	1.00	42.3612	9.6	...	14°993	+10°771	-4	43.3620	10.6	*	4°130	-15°399	1.00	44.3748	9.4
†	31°685	+9°972	1.00	43.3600	9.4	...	14°473	+18°773	-2	43.3621	10.0	*	5°043	-33°857	1.20	44.3749	9.2
*	-31°567	-52°064	1.10	...	...	...	-14°312	-42°378	-1	44.3724	10.1	...	+5°222	+43°901	-2	43.3649	10.5
...	31°562	-52°336	-4	44.3697	9.3	*	13°977	+19°502	1.95	43.3622	7.8	...	5°576	+45°691	-4	...	...
...	31°454	+34°390	-2	43.3601	10.3	R	12°920	+16°347	-5	...	...	...	5°765	-17°165	0.80	44.3750	10.0
...	31°245	-14°142	-4	44.3698	10.4	...	12°496	-28°884	-4	44.3725	10.6	*	5°986	+22°961	0.95	43.3650	9.8
*	31°121	+35°697	1.20	43.3602	9.4	...	12°268	-8°164	-1	44.3726	10.0	*	6°262	+11°389	1.00	43.3651	9.4
131	-30°642	+50°367	-5	...	...	191	-11°642	-35°350	-5	...	...	251	+6°290	-6°330	-4	...	...
R	30°107	-13°868	-3	44.3700	10.5	R	11°613	+20°001	-2	43.3623	10.2	...	6°517	+6°320	-5	...	...
†	30°030	-25°073	-5	44.3699	10.6	R	11°540	-7°081	-4	...	...	...	6°534	+15°528	0.70	43.3652	10.0
...	29°102	-25°782	-5	...	...	...	11°515	+8°570	-3	43.3624	10.4	*	6°727	+32°813	2.30	43.3654	8.0
R	28°641	-44°079	-2	44.3702	10.4	*	9°427	-49°547	0.90	44.3727	9.8	*	6°727	-8°186	0.90	44.3751	9.8
...	28°100	-17°645	0.95	44.3704	9.7	...	-9°205	+20°259	-4	43.3625	10.6	...	+6°729	+6°849	-4	43.3653	10.6
*	28°050	-37°138	2.50	44.3703	7.8	...	9°172	-53°159	-3	44.3728	10.5	*	6°869	+23°634	1.00	43.3655	9.7
*	27°963	-40°128	-5	...	...	n	9°070	+22°986	-5	43.3626	10.6	...	7°146	+30°059	-4	...	...
R	27°808	-49°966	-2	44.3705	10.4	...	7°651	-50°939	-4	44.3729	10.6	...	7°158	-21°279	-3	44.3752	10.4
...	27°311	-8°938	-4	44.3706	10.6	†	7°025	+34°824	-3	43.3627	10.4	R	7°398	-54°216	-5	...	...
141	-27°263	-59°846	-4	...	...	201	-6°669	-7°990	1.00	44.3730	9.6	261	+7°624	+36°172	1.00	43.3656	9.6
R	26°987	-44°751	-4	44.3707	10.6	*	6°517	-30°082	0.95	44.3731	9.4	...	7°649	+2°828	0.70	43.3657	10.0
...	26°969	-5°367	-5	...	...	S*	5°623	-32°203	2.30	44.3732	8.2	*	7°876	-22°280	1.00	44.3753	9.4
...	26°728	-42°150	-2	44.3708	10.4	...	5°594	+45°726	-2	43.3628	10.2	...	8°348	-28°169	0.90	44.3754	10.0
...	26°292	-35°748	-3	44.3709	10.6	...	5°002	-54°746	-5	44.3733	10.6	...	8°516	+22°178	0.80	43.3658	10.0
...	-25°343	-46°360	-2	44.3710	10.2	...	-4°994	+15°190	-2	43.3630	10.1	*	+9°212	+15°314	0.90	43.3659	9.8
...	24°891	-12°758	0.80	44.3711	10.1	*	4°918	+33°386	1.00	43.3629	9.8	...	9°235	-7°282	-5	44.3755	10.6
...	24°669	+15°593	0.80	43.3603	10.2	...	4°136	-19°641	-4	44.3734	10.5	R	9°362	-38°080	-1	...	...
...	24°643	-34°568	-5	44.3712	10.6	...	3°864	+33°818	0.90	43.3632	10.0	†	9°745	-21°255	1.00	44.3756	9.2
...	23°045	+8°071	-4	43.3604	10.6	S*	3°855	+49°638	1.90	43.3631	8.3	...	9°847	-16°036	0.80	44.3757	10.0
151	-22°900	-34°250	-1	44.3714	10.1	211	-3°714	-49°928	-4	44.3735	10.6	271	+9°862	+42°572	-5	43.3660	10.6
†	22°727	+54°748	-2	42.3623	10.2	...	3°308	-9°048	-4	44.3737	10.6	...	10°109	+10°782	-4	...	...
*	22°435	+20°488	0.95	43.3605	9.7	...	3°213	-15°980	-5	44.3736	10.6	R	10°167	-46°838	-5	...	...
R	22°014	+28°579	-4	...	...	...	3°116	+4°779	-4	43.3633	10.6	R	10°200	-29°649	-5	...	...
†	21°827	-29°912	1.00	44.3715	9.4	...	3°050	-5°755	-4	43.3634	10.6	...	10°508	-18°799	-3	44.3758	10.5
*	-21°675	-30°181	1.20	44.3716	9.2	...	-3°009	+16°790	-2	43.3635	10.2	...	+10°675	-50°731	-3	44.3759	10.5
*	21°615	+39°066	1.00	43.3606	9.4	S*	2°650	+31°177	1.30	43.3636	8.9	*	11°304	+26°815	0.90	43.3661	9.8
...	21°342	+56°196	-1	42.3628	10.0	R	2°127	-18°323	-5	...	...	...	12°347	+58°052	-3	42.3676	10.4
...	21°170	-56°296	-4	44.3717	10.6	...	1°610	-16°082	-3	44.3738	10.4	*	12°413	+55°504	0.95	42.3677	9.8
...	21°160	+27°262	-4	...	...	...	1°466	+14°392	-4	43.3637	10.6	...	12°544	-25°399	-5	44.3760	10.6
161	-20°882	-54°996	0.90	44.3718	10.0	221	-1°396	-27°946	-5	...	...	R	+12°561	-56°564	-5	...	...
...	20°865	+2°269	0.80	43.3607	10.1	R	1°337	+28°836	-5	...	...	...	12°926	-1°831	-1	43.3662	10.2
...	20°809	+40°228	-5	...	...	...	1°300	+27°115	-3	43.3638	10.5	S*	13°995	-56°700	1.20	44.3761	9.0
...	20°480	-18°923	0.90	44.3719	10.0	...	0°984	-5°613	-3	43.3639	10.6	...	14°165	-23°585	0.90	44.3762	9.8
...	19°973	+53°437	-5	43.3609	10.6	...	0°800	+52°255	-4	43.3640	10.6	...	14°335	+57°919	-3	42.3681	10.5
...	-19°815	+38°466	-2	43.3608	10.5	*	-0°347	-25°933	1.00	44.3739	9.8	...	+14°361	-1°450	0.80	43.3663	10.0
...	19°562	-1°409	-4	43.3610	10.6	...	-0°136	+47°798	-2	43.3641	10.2	*	14°402	-51°824	1.00	44.3763	9.7
*	19°264	+14°232	1.00	43.3611	9.6	R	+0°045	+49°152	-5	...	...	†	14°766	-25°052	-4	44.3764	10.5
...	19°206	-57°894	-4	44.3721	10.6	...	0°122	+40°690	-4	43.3642	10.6	...	14°801	+23°787	-1	43.3665	10.0
...	19°047	+51°507	-4	...	...	...	0°482	-12°900	-5	44.3741	10.6	*	14°825	+27°201	2.30	43.3664	7.9
171	-18°704	+15°013	-4	43.3612	10.6	231	+0°839	-19°919	-4	44.3742	10.6	291	+14°973	+12°001	-4	43.3667	10.6
*	18°202	+31°470	0.95	43.3613	9.6	...	0°956	+44°485	-2	43.3643	10.4	*	15°176	+46°737	1.40	43.3666	8.6
...	17°836	-30°541	-5	...	...	R	1°138	+7°212	-4	...	...	...	16°062	-22°693	-5	44.3765	10.6
...	17°725	+21°131	0.70	43.3614	10.4	...	1°852	+29°136	0.70	43.3644	10.4	...	16°075	+5°558	-5	...	...
*	17°310	+32°129	0.90	43.3615	9.8	...	1°895	-2°718	0.80	43.3645	10.0	*	16°642	+48°398	1.00	43.3668	9.7
...	-16°934	+31°272	-1	43.3616	10.2	R	+2°298	+42°895	-5	...	...	...	+17°255	+44°377	-2	43.3669	10.4
*	16°475	-37°374	1.00	44.3722	9.6	...	2°493	-32°983	0.70	44.3743	10.0	...	17°856	+45°550	-3	43.3670	10.2
...	16°325	-20°627	-3	44.3723	10.6	...	2°654	-28°463	0.80	44.3744	10.0	...	18°015	-25°120	-2	44.3767	10.0
*	16°244	+58°799	1.00	42.3633	9.4	...	3°211	-53°180	-4	44.3746	10.6	...	18°099	+29°460	-4	43.3671	10.6
...	16°209	+56°619	-4	42.3634	10.5	*	3°334	-6°251	1.00	43.3646	9.8	*	18°397	+19°251	0.95	43.3673	9.6

§ 10^m. 8=D, -5.

198. C.P.D. possibly includes a fainter star not measured.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-340						341-380						381-416					
301	+18·417	+41·658	- 2	43·3672	10·4	341	+35·150	+10·024	0·90	43·3693	10·0	381	+46·903	-53·126	- 5	...	...
...	19·179	-48·739	- 5	...	...	...	35·292	- 9·479	- 5	44·3780	10·6	R	47·055	-10·744	1·00	43·3712	9·4
...	19·191	+56·942	- 4	42·3684	10·5	...	35·419	-59·004	- 5	44·3781	10·6	*	47·524	- 9·271	1·00	44·3794	9·4
...	19·868	-22·466	0·80	44·3768	9·8	...	35·606	+12·952	0·85	43·3694	10·0	...	48·159	+31·514	- 2	43·3713	10·1
...	20·296	+25·234	- 4	43·3674	10·6	...	35·627	+ 2·878	- 2	43·3695	10·4	R	48·231	+24·643	- 5	...	...
†	+20·369	-29·860	1·00	44·3769	9·6	*	+35·786	+17·996	1·00	43·3696	9·6	...	+48·555	+54·437	- 2	42·3726	9·9
...	20·870	+26·102	- 4	43·3675	10·6	...	36·736	-19·471	- 5	...	...	...	49·159	+ 5·199	- 3	43·3714	10·4
...	20·997	-21·084	- 4	44·3770	10·6	...	36·885	+35·223	0·80	43·3697	10·6	...	49·328	-46·681	- 4	44·3795	10·6
*	22·288	-41·568	1·00	44·3772	9·7	...	37·097	-26·838	- 2	44·3782	10·4	...	49·765	+37·418	- 4	43·3715	10·6
R	23·383	+50·193	- 5	...	...	...	37·262	-52·151	- 5	44·3784	10·6	...	50·111	- 6·971	0·90	44·3796	10·0
311	+23·485	+12·669	0·80	43·3676	10·0	351	+37·598	-53·023	1·05	44·3785	9·6	391	+50·335	+ 4·309	- 5	...	...
*	23·994	+26·746	0·90	43·3677	8·6	R	37·618	-57·080	- 5	...	...	...	50·624	+ 9·595	- 2	43·3716	10·2
*	24·061	+26·903	1·00	43·3677	8·6	...	37·956	+41·661	- 4	43·3698	10·6	*	51·364	+12·516	1·00	43·3717	9·2
...	25·288	- 2·567	- 1	43·3679	10·2	...	38·186	-41·530	- 3	44·3786	10·6	...	51·725	- 7·763	0·90	44·3797	10·0
...	25·396	+ 7·049	- 5	...	...	S*	38·280	- 2·599	1·20	43·3699	9·2	...	51·778	+ 5·454	- 4	...	...
*	+25·525	+ 8·484	1·20	43·3678	9·3	...	+38·520	-23·481	- 2	44·3787	10·4	...	+52·104	+45·318	- 2	43·3718	10·0
...	25·786	-19·765	- 1	44·3773	10·0	...	38·964	+24·086	- 4	43·3700	10·6	...	52·609	- 4·605	- 4	43·3719	10·6
R	26·621	+ 6·002	- 5	...	...	R	39·315	-59·674	- 4	...	...	...	53·510	-51·605	- 1	44·3800	10·0
...	26·865	+14·813	- 1	43·3680	10·2	†	39·622	+22·508	- 4	...	...	...	54·049	+46·552	- 4	43·3720	10·4
N	27·927	-14·644	- 3	44·3774	10·4	...	39·688	+22·134	- 2	43·3702	10·6	n	54·387	+46·817	- 5	43·3721	9·6
321	+28·146	- 1·617	- 2	43·3682	10·4	361	+39·716	+27·621	- 2	43·3701	10·0	401	+54·584	-18·128	1·05	44·3801	9·4
...	28·243	+15·564	- 3	43·3681	10·6	...	40·301	+22·084	0·85	43·3703	10·1	†	54·635	+46·786	0·80	43·3721	9·6
...	28·957	+10·380	- 3	43·3683	10·6	*	40·968	+38·932	1·00	43·3704	9·8	S*	54·702	+37·390	1·90	43·3722	8·1
*	29·217	-56·193	1·00	44·3775	9·6	...	41·171	+45·479	- 3	43·3705	10·0	...	54·802	+46·230	- 5	43·3723	10·5
...	29·474	+11·918	- 1	43·3684	10·2	...	41·335	-46·606	- 4	44·3789	10·5	*	55·688	+42·797	0·95	43·3724	9·4
R	+29·492	- 9·233	- 5	...	...	†	+42·199	-14·961	0·90	44·3790	10·0	...	+56·102	-24·064	- 4	44·3802	10·6
†	31·196	+19·931	0·80	43·3686	9·7	...	42·624	+58·162	- 5	42·3715	10·5	...	57·005	-39·932	- 4	44·3804	10·6
...	31·218	+26·052	- 3	43·3685	10·6	...	42·790	-37·258	- 4	44·3791	10·6	*	57·230	+43·454	1·40	43·3725	9·0
n	31·271	+11·232	- 3	43·3688	7·8	*	43·092	+36·236	1·00	43·3707	9·8	...	57·374	-48·645	- 4	44·3807	10·6
S*	31·441	+11·512	2·40	43·3688	7·8	*	43·111	+47·641	1·60	43·3706	8·3	S*	57·378	-22·321	1·40	44·3803	8·9
331	+31·608	+51·353	1·35	43·3687	9·0	371	+43·742	- 8·400	- 5	...	...	411	+57·965	- 7·190	- 4	44·3806	10·5
...	31·804	+ 7·897	- 1	43·3689	10·2	...	43·774	+15·576	- 3	43·3708	10·4	...	58·085	- 7·858	0·80	44·3808	10·0
...	32·138	-28·580	- 2	44·3776	10·1	†	44·531	- 5·652	0·80	43·3709	10·0	*	58·393	+ 9·055	0·90	43·3727	9·6
*	33·302	+ 6·612	1·05	43·3690	9·4	*	44·721	-15·448	0·95	44·3793	9·7	...	58·600	+35·941	- 5	43·3726	10·6
...	33·363	-49·588	- 2	44·3777	10·0	...	44·984	+55·632	- 5	42·3720	10·5	...	58·976	-26·904	0·80	44·3809	10·0
...	+33·457	-50·776	- 3	44·3778	10·4	...	+45·038	+ 1·876	- 3	...	...	...	+59·150	-39·892	- 4	44·3810	10·6
...	34·022	-46·784	- 5	44·3779	10·6	R	45·741	- 8·448	- 5	...	...	...		
...	34·410	+32·083	- 4	43·3691	10·6	...	46·298	+13·497	0·80	43·3710	10·0	...					
†	34·557	+57·047	- 5	42·3707	10·5	...	46·360	+ 6·234	- 2	43·3711	10·1	...					
†	34·778	+34·977	- 5	43·3692	10·6	R	46·494	-31·993	- 5	...	...	...		

§ 10^m·8=D, -5.

320. Obscured by fault; 2nd image measured and corrected.

329, 330. C.P.D., probably mass.
400, 402. C.P.D., probably mass.

1-10					11-20					21-30								
I	-59·402	-53·310	- 5	II	-57·184	+45·233	1·10	43·3718	10·0	21	n	-54·968	+46·805	- 4
...	59·282	+37·277	- 3	43·3715	10·6	*	57·174	-46·794	- 2	44·3795	10·6	n*	54·707	+46·784	1·35	43·3721	9·6	
†	58·930	+ 5·036	- 3	43·3714	10·4	*	56·923	+12·435	1·40	43·3717	9·2	...	54·520	+46·242	- 3	43·3723	10·5	
...	58·722	-10·585	- 5	...	...	...	56·324	+ 5·381	- 3	...	...	...	54·511	-33·102	- 5	...	...
...	58·067	-41·009	- 5	...	...	†	56·268	+24·913	- 4	...	...	...	54·365	-33·676	- 5	...	...
...	-57·716	+ 4·202	- 3	...	...	...	-55·957	-10·139	- 5	...	...	S*	-54·356	+37·386	2·85	43·3722	8·1
*	57·592	- 7·080	1·15	44·3796	10·0	*	55·934	- 7·829	1·00	44·3797	10·0	...	54·177	-27·654	- 4	...	...
...	57·585	+ 9·483	0·80	43·3716	10·2	...	55·288	+46·526	- 2	43·3720	10·4	*	53·531	+42·827	1·55	43·3724	9·4	
...	57·516	+51·748	- 5	...	...	...	55·168	- 4·651	0·65	43·3719	10·6	*	52·843	-51·593	1·25	44·3800	10·0
...	57·208	+ 4·220	- 5	...	...	...	55·055	+42·190	- 5	...	...	*	52·778	-18·093	1·55	44·3801	9·4

B measured from 1, 99, 207, 321, 425, 547.
EW " " 43, 145, 260, 364, 490, 615.

21, 22. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-52.589	+51.079	-5	...	...	...	-41.625	-41.372	-3	...	...	...	-29.317	-51.775	-2	...	...
...	52.364	+27.832	-4	...	...	*	41.470	-28.410	2.85	44.3815	8.0	*	29.253	+33.911	1.10	43.3757	9.8
*	52.009	+43.526	1.90	43.3725	9.0	...	41.256	+38.159	-4	...	...	...	29.198	-12.601	-2	44.3830	10.6
...	51.787	-46.358	-4	...	...	...	41.024	+4.540	-3	...	...	...	28.837	-19.441	-3	44.3831	10.6
...	51.553	+32.534	-5	...	...	...	40.891	-8.825	-4	...	...	...	28.796	+13.272	0.90	43.3758	10.2
...	-51.444	-5.678	-5	...	...	...	-40.795	+14.161	-5	M	...	...	-28.592	+17.287	-4	...	...
...	51.126	-1.236	-5	...	...	...	40.632	-29.478	-3	...	...	...	28.533	-32.793	-5	...	...
...	51.079	-23.986	-3	44.3802	10.6	*	40.279	-27.173	1.10	44.3816	10.0	*	28.008	-38.396	1.00	44.3833	10.1
...	50.984	-14.367	-5	...	...	...	39.988	-51.113	-3	44.3817	10.5	...	27.640	+1.453	-5	M	...
...	50.586	+19.219	-4	...	...	...	39.909	-36.350	-2	44.3818	10.6	*	27.543	-18.696	1.30	44.3834	9.4
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-50.412	+36.061	-3	43.3726	10.6	*	-39.644	+45.159	1.45	43.3742	9.3	...	-27.493	-9.279	-5	...	...
...	50.303	-9.380	-3	...	...	...	39.443	-8.144	0.70	44.3819	10.4	...	27.453	-28.945	-2	...	...
S*	49.855	-22.194	1.70	44.3803	8.9	...	39.297	+40.525	-2	43.3744	10.5	*	27.368	-38.809	1.20	44.3835	9.8
*	49.794	+9.185	1.20	43.3727	9.6	...	39.160	+28.184	-4	...	...	...	27.293	+46.720	-4	...	...
...	49.746	-7.063	0.65	44.3806	10.5	...	39.090	+40.202	-5	...	...	...	27.228	-27.580	-4	...	...
†	-49.674	-39.810	-4	44.3804	10.6	...	-38.963	-5.805	0.70	43.3743	10.4	...	-27.059	+40.453	0.90	43.3760	10.6
...	49.615	+7.734	1.10	44.3808	10.0	...	38.464	-46.760	0.80	44.3820	10.2	...	27.059	+17.793	-1	43.3759	10.6
*	49.263	-1.607	-4	...	...	*	38.127	+42.085	1.20	43.3745	9.4	*	27.049	+50.315	1.10	43.3761	9.8
...	49.190	-26.418	-5	...	...	*	37.923	+49.669	1.10	43.3746	9.6	...	26.704	+15.768	-5	M	...
...	49.087	-48.499	-4	44.3807	10.6	...	37.728	-15.883	-4	...	...	...	26.681	-33.114	-2	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
*	-48.788	+51.012	1.60	43.3728	9.1	...	-37.291	-10.981	-5	...	...	...	-26.661	-4.561	-4	...	...
...	48.536	+34.050	-5	...	...	*	36.934	-25.426	3.00	44.3821	8.0	...	26.604	-1.293	0.80	43.3762	10.2
*	48.137	-26.744	1.05	44.3809	10.0	*	36.923	-8.837	1.50	44.3822	9.6	...	26.412	+35.069	0.65	43.3763	10.6
...	48.017	+14.421	-5	...	...	...	36.775	+14.293	-1	43.3747	10.6	*	26.370	-47.606	1.60	44.3836	8.9
*	47.950	+48.377	1.50	43.3731	9.4	...	36.723	+58.745	0.65	42.3766	10.0	...	26.071	-1.098	-5	...	...
*	-47.944	-6.406	3.10	43.3729	7.7	...	-36.373	+6.688	0.70	43.3748	10.4	*	-25.977	-17.735	1.00	44.3837	10.1
*	47.777	+19.869	1.00	43.3730	10.4	...	36.342	+27.884	-4	...	...	...	25.062	+29.255	-5	M	...
*	47.741	+30.889	1.00	43.3732	10.5	...	36.283	+47.876	-4	43.3750	10.6	...	24.947	-41.625	-4	...	...
...	47.569	-39.716	-3	44.3810	10.6	...	36.280	+17.739	-4	...	...	...	24.901	-14.011	0.70	44.3839	10.4
...	47.059	-49.569	-5	...	...	...	36.084	+32.140	-2	43.3749	10.6	...	24.769	+24.536	-3	...	...
61	...	...	...	...	...	121	...	...	...	...	...	181	...	...	...	...	...
...	-47.057	-21.788	-4	...	...	...	-36.004	-15.680	-5	...	...	*	-24.004	-41.463	1.15	44.3840	9.7
...	47.018	+30.858	-2	43.3733	10.6	...	35.855	+51.720	-2	43.3751	10.5	S*	23.880	+8.716	1.87	43.3764	8.5
...	46.775	+10.301	-5	B	...	*	35.582	-51.670	2.20	44.3823	9.3	...	23.580	+17.205	-5	...	...
...	46.683	+28.639	-5	A	...	†	35.120	-26.496	2.50	44.3824	8.4	*	23.431	-29.492	1.20	44.3842	9.6
...	46.665	+25.308	-5	...	...	†	35.099	-23.353	-4	...	...	...	23.155	-23.848	-5	...	...
S*	-46.646	+39.267	1.00	43.3735	10.2	...	-34.927	+14.508	-5	...	...	†	-23.075	+54.825	-5	...	...
...	46.205	-5.968	3.23	43.3734	7.7	*	34.760	+21.260	1.00	43.3752	10.0	...	23.066	-32.354	-5	...	...
...	46.191	+20.252	-5	...	...	...	33.863	+15.828	0.80	43.3753	10.4	*	23.031	-25.455	1.00	44.3843	10.1
*	46.135	+34.089	1.10	43.3736	9.4	...	33.544	-22.730	-4	...	...	†	22.964	+44.821	1.15	43.3765	9.8
...	45.994	+1.301	-5	M	...	...	33.315	-18.750	0.90	44.3825	10.1	...	22.840	-56.543	-4	...	...
71	...	...	...	...	...	131	...	...	...	...	...	191	...	...	...	...	...
...	-45.712	+12.768	-4	...	...	...	-33.297	-8.540	-5	...	...	...	-22.777	-59.198	0.85	44.3844	10.4
...	45.412	+4.463	-5	M	...	...	33.070	+46.354	-5	...	...	...	22.739	-6.833	0.85	44.3846	10.1
...	45.402	+26.275	-5	...	...	...	32.968	+12.073	-4	...	...	...	22.718	+11.906	0.65	43.3766	10.6
...	45.400	+19.201	-1	43.3737	10.6	...	32.885	+5.727	-5	...	...	*	22.679	-54.118	1.40	44.3845	9.6
...	45.394	+12.741	-5	...	...	...	32.817	+1.683	-5	...	...	...	22.606	+50.894	-3	43.3767	10.6
...	-44.850	+25.809	-5	B	...	...	-32.707	+10.730	-4	...	...	...	-21.881	+13.200	-4	...	...
...	44.780	+21.206	-5	...	...	*	32.642	+32.221	1.15	43.3754	9.6	*	21.841	+25.163	1.85	43.3768	8.7
...	44.431	+16.288	-4	...	...	...	32.613	-15.087	0.90	44.3826	10.4	...	21.630	-39.588	-5	...	...
...	43.984	+6.698	0.80	43.3738	10.6	...	32.421	-23.910	-2	44.3827	10.6	...	21.528	-3.967	-3	...	...
*	43.080	+28.514	3.10	43.3739	7.6	...	32.163	+9.818	-3	...	...	...	21.446	+19.369	-2	43.3769	10.5
81	...	...	...	...	...	141	...	...	...	...	...	201	...	...	...	...	...
*	-42.946	-11.769	1.00	44.3812	10.1	...	-31.543	-47.763	-2	44.3828	10.6	†	-21.153	+34.911	1.15	43.3770	9.8
*	42.793	-28.809	1.00	44.3811	10.0	*	31.188	+59.662	1.50	42.3771	9.4	...	20.893	+16.799	0.90	43.3771	10.4
...	42.679	-51.579	-4	...	...	...	30.998	+55.186	1.65	42.3772	9.4	...	20.464	+4.150	-5	...	...
...	42.554	-2.672	0.70	43.3740	10.6	...	30.265	-19.694	-5	...	...	...	20.419	-53.235	0.70	44.3847	10.2
...	42.375	-50.219	-3	44.3813	10.6	*	30.088	+10.231	1.10	43.3755	9.6	...	20.397	-34.908	-4	...	...
...	-42.255	-43.769	-5	...	...	...	-29.917	+43.221	-5	...	...	*	-20.303	-35.529	1.20	44.3848	10.0
*	42.247	+3.826	1.50	43.3741	9.1	S*	29.809	-48.663	1.93	44.3829	8.7	...	20.055	+45.274	-5	...	...
...	42.198	-35.041	-5	...	...	*	29.673	+52.977	1.25	43.3756	9.4	...	19.957	-2.022	-5	...	...
...	42.151	+8.592	-5	M	...	...	29.543	-12.526	-5	...	...	...	19.847	-6.779	+5	...	...
*	41.796	-6.791	1.05	44.3814	10.0	...	29.512	-28.888	-3	...	...	...	19.497	-31.126	-2	44.3849	10.6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-19.149	-35.057	1.10	44.3851	9.8	271	-8.118	-38.267	5	...	...	331	+2.454	+23.106	5	m	...
...	19.086	-8.462	5	...	...	...	7.916	+46.443	0.85	43.3794	10.1	...	2.650	-44.585	1.90	44.3879	9.2
*	18.995	-59.619	1.30	44.3852	9.6	†	7.725	-29.780	5	...	...	...	3.370	+50.655	4	...	...
...	18.950	+9.165	4	43.3772	10.6	*	7.701	-37.441	1.10	44.3860	9.6	...	3.780	-21.300	5	m	...
...	18.683	+17.682	0.70	43.3773	10.2	†	7.613	+49.941	2	43.3795	10.4	...	3.792	+49.646	1.30	43.3814	9.8
...	-18.331	+36.932	5	...	...	...	-7.264	+32.426	0.65	43.3796	10.4	...	+3.797	-42.994	5	...	...
*	17.768	-17.088	1.10	44.3853	9.6	*	7.205	-7.010	1.00	44.3861	9.9	...	3.888	-17.427	3	44.3880	10.4
...	17.148	+38.693	3	43.3774	10.6	...	7.112	+14.343	5	M	...	...	4.138	+32.173	1	43.3815	10.4
...	17.148	-45.063	2	44.3854	10.6	*	6.918	-5.382	1.40	43.3797	9.4	...	4.225	+43.903	5	...	...
*	16.983	-7.108	1.10	44.3855	9.7	...	6.762	-20.622	4	...	...	...	4.378	-17.448	1	44.3881	10.2
221	-16.861	+29.614	2	43.3775	10.6	281	-6.643	-22.325	3	44.3862	10.4	341	+4.635	-19.228	2.20	44.3882	8.4
...	16.711	+55.663	1.00	42.3789	9.9	...	6.510	+26.284	0.65	43.3798	10.4	...	4.718	-12.220	1.10	43.3816	9.8
*	16.586	-43.881	4	...	...	...	6.468	-28.969	2	44.3863	10.4	†	4.720	-21.447	5	...	...
...	16.556	+28.200	1.20	43.3776	9.4	...	6.306	+12.396	4	...	...	*	5.020	-32.703	1.05	44.3883	9.6
*	16.535	-35.322	4	...	...	...	6.225	-20.860	5	m	...	...	5.115	-27.466	3	44.3884	10.4
S*	-16.235	+49.056	1.50	43.3777	8.9	...	-6.130	+44.468	1.10	43.3799	9.8	...	+5.227	-13.074	0.70	44.3885	10.2
...	16.224	+44.430	5	...	...	...	6.100	+46.695	5	...	...	*	5.682	-58.708	1.30	42.3831	9.8
...	15.989	+53.016	5	...	...	SN*	5.861	-45.920	2.85	44.3864	7.8	...	5.962	+32.779	0.65	43.3817	10.4
*	15.783	+15.318	1.10	43.3778	9.7	†	5.214	+5.104	4	...	...	...	6.286	-52.899	4	...	...
†	15.302	+50.675	1.25	43.3779	9.6	†	5.199	-48.395	5	...	...	...	6.601	-42.306	5	m	...
231	-15.101	-15.761	5	...	...	291	-5.064	+6.522	5	...	...	351	+6.792	-6.322	1.00	43.3818	10.0
...	15.069	-43.565	5	44.3856	10.6	...	4.979	+29.489	0.75	43.3800	10.0	...	7.051	-17.224	5	...	...
...	15.021	-3.314	0.65	43.3780	10.6	...	4.504	-59.233	5	...	...	...	7.077	-48.196	3	...	...
...	14.916	-45.259	5	...	...	...	4.477	-31.518	5	...	...	...	7.383	-23.825	1	44.3886	10.2
*	14.723	+2.036	1.25	43.3781	9.4	...	4.477	-31.518	5	...	...	...	7.993	+19.511	2	...	...
...	-14.173	-25.803	3	44.3857	10.4	...	4.342	-57.302	3	44.3866	10.4	...	+8.473	-52.827	0.90	44.3887	10.0
...	13.993	+48.569	3	...	...	*	3.634	+7.344	0.75	43.3802	10.1	...	9.148	-24.523	0.70	44.3888	9.9
...	13.920	-32.207	5	...	...	...	3.546	+31.079	1.05	43.3801	9.6	...	* 9.190	-3.440	1.10	43.3819	9.8
...	13.730	-44.305	4	...	...	...	3.530	-8.226	5	m	...	...	9.267	-41.277	0.70	44.3889	10.2
...	13.623	+6.948	3	43.3782	10.4	...	3.260	+1.200	5	m	...	...	9.390	-26.118	4	...	...
241	-13.360	+44.415	2	43.3783	10.4	301	-2.896	-9.565	0.75	44.3868	10.1	361	+9.488	+1.233	4	...	...
...	13.011	+11.337	5	...	...	...	1.997	+47.959	5	...	...	S†	9.709	-22.246	3.30	44.3890	7.6
*	12.859	+15.273	1.30	43.3784	9.4	*	1.955	+41.373	1.10	43.3803	9.6	†	9.712	-20.988	0.70	44.3802	9.9
...	12.846	-29.638	3	...	...	...	1.646	+6.984	4	...	...	*	9.820	-55.727	1.10	42.3839	9.8
...	12.823	+49.226	2	43.3785	10.4	...	1.631	-25.771	0.65	44.3870	10.0	...	10.242	-10.992	0.85	44.3893	10.0
...	-12.784	-22.097	5	...	...	*	-1.388	+33.816	1.20	43.3804	9.6	...	+10.305	+27.481	5	...	...
...	12.692	+59.005	3	42.3795	10.4	*	1.378	-18.512	1.00	44.3871	10.0	...	10.597	-16.098	4	...	...
...	12.387	+53.629	0.90	42.3796	10.2	*	1.169	-22.131	1.00	44.3872	9.8	...	10.696	-13.482	5	...	...
...	12.319	-21.833	4	...	...	...	1.062	+34.837	0.65	43.3806	10.2	...	10.757	-34.853	5	b	...
*	12.236	+23.632	1.50	43.3786	9.4	...	1.050	-42.402	5	...	...	...	10.806	-43.274	3	44.3895	10.4
251	-12.054	+36.085	1.15	43.3787	9.5	311	-1.047	+46.763	1.40	43.3805	9.4	371	+11.003	-10.135	5	...	...
...	11.918	-22.660	5	...	...	*	0.961	-56.751	3	44.3874	10.4	...	11.137	-4.381	5	b	...
...	11.912	+6.910	1	43.3788	10.4	...	0.925	+57.943	1.20	42.3820	9.8	...	11.340	+41.645	4	...	...
...	11.780	+48.520	3	43.3789	10.4	...	0.911	+7.422	2	43.3807	10.2	...	11.401	+22.985	5	...	...
...	11.353	-29.436	0.70	44.3858	9.9	...	0.890	-13.229	0.70	44.3873	10.1	†	11.556	+10.088	2	43.3820	10.2
...	-11.094	+14.429	4	43.3790	10.4	...	-0.868	+49.259	5	...	...	...	+11.640	-28.237	4	...	...
...	10.653	+1.455	5	...	...	...	0.773	-9.739	4	44.3875	10.4	...	11.688	+15.820	5	...	...
†	10.350	+33.883	0.80	43.3791	9.9	...	0.626	-9.437	5	44.3876	10.4	*	11.980	-47.159	1.00	44.3896	8.6
...	10.273	-52.008	4	...	...	...	0.615	-2.818	4	m	...	...	12.094	-15.616	4	...	...
*	9.919	-49.093	1.20	44.3859	9.5	...	-0.495	-52.511	4	44.3877	10.2	*	12.115	-38.024	1.20	44.3897	9.2
261	-9.848	+37.964	5	...	...	321	+0.332	+8.050	1.80	43.3808	8.8	381	-12.214	-27.610	5	...	...
...	9.762	-44.361	5	...	...	SN*	0.650	-4.366	0.70	43.3810	10.2	...	12.236	-4.812	4	...	...
...	9.593	-40.283	3	...	...	*	0.652	+26.550	1.00	43.3809	9.9	...	12.321	-44.392	2	44.3898	10.4
...	9.429	+32.861	0.80	43.3792	10.2	...	1.205	-32.610	5	...	...	...	12.330	-47.642	0.75	43.3821	10.2
...	9.322	-42.452	4	...	...	†	1.281	+39.973	0.90	43.3811	10.0	...	12.482	-36.236	4	...	...
...	-8.944	-15.364	4	...	...	...	+1.359	+29.163	0.70	43.3812	10.2	...	-12.609	-31.901	5	...	...
*	8.799	-1.998	1.00	43.3793	10.0	...	1.845	-49.602	4	...	...	*	12.827	-7.605	1.10	44.3899	9.3
...	8.789	-4.335	5	...	...	...	1.987	+9.115	4	...	...	*	12.860	-47.409	1.25	43.3822	9.4
...	8.768	+38.112	5	...	...	...	2.027	-22.147	0.70	44.3878	10.2	...	12.970	-21.851	5	a	...
...	8.585	+33.808	5	...	...	...	2.152	+39.051	1	43.3813	10.2	...	13.179	-30.023	3	44.3900	10.4

288. Var. L=7.8-9.3. Algol type.

321. Mass. 43.57, mass. 43.58, two stars

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
391	+13·593	-17·149	-4	...	...	451	+22·687	-12·591	-2	44·3917	10·4	511	+32·969	-9·698	-5	...	...
...	13·633	+27·895	0·90	43·3823	10·0	...	22·796	+5·568	-4	43·3842	10·4	...	32·976	-5·707	-4	...	...
*	13·718	+11·739	1·20	43·3825	9·0	...	22·958	-1·078	-4	<i>b</i>	...	...	33·074	-22·425	-5	...	...
*	13·898	+47·240	1·15	43·3824	9·6	S*	23·098	+6·268	1·67	43·3843	9·0	...	33·398	+51·383	0·80	43·3855	9·9
...	13·928	-57·454	-5	...	...	...	23·556	-30·992	-5	<i>a</i>	...	*	33·832	-23·159	1·10	44·3932	9·8
...	+14·144	-19·199	-4	...	...	*	+23·753	-6·176	1·50	43·3845	9·3	*	+33·849	+50·244	1·10	43·3856	9·8
...	14·318	+40·505	-1	43·3826	10·2	...	23·789	-23·149	-4	...	...	*	34·007	-33·474	1·10	44·3933	9·9
...	15·084	+5·660	-1	43·3828	10·4	...	24·007	+34·096	0·70	43·3844	10·2	...	34·865	-4·522	-3	...	...
...	15·278	+25·223	0·75	43·3827	10·2	...	24·203	+26·606	0·70	43·3846	10·2	...	35·434	+12·382	0·85	43·3858	10·2
...	15·312	-11·898	-5	<i>m</i>	...	...	24·322	-26·036	-5	<i>a</i>	...	...	35·506	+25·162	1·00	43·3857	10·2
401	...	...	...	...	...	461	...	...	...	...	...	521	...	...	...	...	...
...	+15·417	-29·544	-5	<i>b</i>	...	*	+24·352	-10·347	1·10	44·3918	9·5	...	+35·822	-36·829	-5	<i>a</i>	...
*	15·569	-10·116	1·80	44·3902	8·8	...	24·397	-13·049	-5	...	...	...	35·948	+9·661	-5	...	...
...	15·699	-11·274	-5	...	...	...	24·414	-32·131	0·70	44·3920	10·2	...	35·950	-17·448	-3	44·3934	10·4
*	15·784	-25·682	1·20	44·3903	9·2	*	24·452	-13·979	1·50	44·3919	9·0	...	36·006	-2·993	-2	43·3862	10·2
...	15·856	+57·088	-5	...	...	†	24·605	-5·425	-5	...	...	...	36·066	+41·684	-4	43·3859	10·4
...	+16·033	+55·860	-5	...	...	†	+24·645	-31·796	0·65	44·3921	10·4	...	+36·071	+57·335	0·70	42·3872	10·0
...	17·376	-52·381	-5	...	...	*	24·653	-47·650	1·00	44·3923	9·8	*	36·251	+9·966	1·80	43·3860	8·8
...	17·678	+41·113	-5	...	...	...	24·826	+33·862	0·70	43·3849	10·2	*	36·283	+9·178	1·00	43·3861	9·9
...	17·891	+19·657	-5	...	...	...	24·910	-12·868	-5	...	...	*	36·441	-56·276	1·10	44·3936	9·8
...	17·936	+11·711	-2	43·3829	10·2	*	24·923	+31·766	2·00	43·3848	8·6	...	36·638	-31·431	0·70	44·3935	10·2
411	...	...	...	...	...	471	...	...	...	...	...	531	...	...	...	...	...
*	+18·021	-15·178	1·00	44·3905	10·1	*	+24·999	-17·088	1·00	44·3922	9·6	...	+37·006	-16·689	-5	...	...
...	18·093	-45·450	-1	44·3906	10·2	*	25·064	-53·323	1·50	44·3925	9·2	*	37·024	+12·102	1·00	43·3863	9·8
...	18·171	-39·301	-4	...	...	...	25·076	+51·585	0·80	43·3847	10·4	...	37·171	-23·967	-2	44·3937	10·2
*	18·243	+34·565	1·70	43·3830	8·8	*	25·334	-9·545	1·45	44·3924	9·0	...	37·330	-34·473	-4	44·3938	10·4
...	18·287	+3·788	-5	...	...	...	25·773	+24·325	-5	...	...	...	37·418	-40·622	-3	44·3939	10·2
...	+18·345	-53·083	0·65	44·3907	10·2	...	+25·988	+0·820	0·80	43·3850	10·0	...	+37·488	-50·702	-5	<i>m</i>	...
...	18·477	+5·035	-4	43·3831	10·4	...	26·031	-24·186	-5	<i>m</i>	...	*	38·052	-7·762	1·10	44·3940	9·6
...	18·794	+4·470	0·85	43·3833	10·2	*	26·168	-37·622	1·05	44·3926	9·6	...	38·134	-48·618	-5	<i>m</i>	...
*	18·841	+17·960	1·20	43·3832	9·4	...	26·403	+12·339	-4	...	...	...	38·147	+27·881	-5	...	...
...	18·951	+14·988	-4	...	...	...	26·659	+13·936	-5	...	...	S†	38·210	+30·018	1·95	43·3864	8·8
421	...	...	...	...	...	481	...	...	...	...	...	541	...	...	...	...	...
*	+19·098	-1·608	1·10	43·3834	9·8	S*	+26·835	-45·919	1·85	44·3927	9·0	†	+38·329	-4·873	-5	<i>m</i>	...
...	19·102	-50·096	-4	...	...	...	26·896	+11·476	-1	43·3851	10·2	*	38·535	-18·318	1·70	44·3941	8·6
...	19·407	+54·154	-2	42·3849	10·4	...	26·972	+51·825	-5	...	...	...	38·631	-32·318	-1	44·3942	10·1
†	19·580	+45·770	-1	43·3835	10·4	*	27·184	+10·978	1·00	43·3852	9·8	...	38·752	+36·121	-5	...	...
...	19·815	+41·035	-4	...	...	...	27·196	+45·151	-4	...	...	...	39·186	-15·672	-1	44·3943	10·1
...	+19·820	-12·615	-5	...	...	†	+28·042	+0·119	-5	...	...	*	+39·482	+12·471	1·10	43·3865	9·4
*	20·058	+15·471	3·30	43·3836	7·8	...	28·274	-4·443	-2	...	...	...	39·867	-56·445	1·80	44·3946	9·4
...	20·061	-5·213	-4	...	...	...	28·567	+11·612	-4	...	...	...	39·927	-35·341	0·75	44·3944	10·1
...	20·288	-52·887	0·90	44·3909	9·8	...	28·567	-53·128	-4	...	...	*	40·182	-20·938	1·45	44·3945	9·3
...	20·348	+32·103	-5	...	...	...	28·679	-33·938	-5	...	...	*	40·389	+10·759	1·60	43·3866	9·3
431	...	...	...	...	...	491	...	...	...	...	...	551	...	...	...	...	...
...	+20·603	-58·066	-5	...	...	...	+28·898	+31·731	-4	...	...	n	+40·402	-19·962	-4	44·3947	10·4
...	20·734	+21·623	-5	<i>m</i>	...	...	28·901	+1·666	-4	...	...	...	40·516	+10·867	-5	...	...
...	20·761	+46·219	0·70	43·3837	10·1	...	29·313	+58·857	-1	42·3856	10·4	n†	40·646	-19·840	-4	44·3947	10·4
*	20·784	-45·149	1·00	44·3911	9·8	...	29·470	-2·919	-5	<i>m</i>	...	...	40·723	+16·449	-2	43·3867	10·4
†	20·933	-39·775	0·70	44·3912	10·4	†	29·490	-39·644	-5	<i>a</i>	...	...	40·774	+1·230	-2	43·3868	10·4
...	+21·053	+26·526	-3	43·3838	10·2	...	+29·795	-48·653	0·85	44·3929	9·8	...	+41·008	+38·709	-5	...	...
...	21·085	+26·472	-3	...	...	...	29·898	-25·276	-5	<i>a</i>	...	*	41·156	-2·108	1·05	43·3869	9·8
*	21·086	-12·972	1·10	44·3910	9·8	...	30·344	+16·656	-5	...	...	*	41·316	-7·512	1·20	44·3948	9·4
...	21·199	-52·645	-3	44·3913	10·4	...	30·872	-32·410	-5	...	...	...	41·458	+13·394	-5	...	...
...	21·246	-56·613	0·80	44·3914	9·9	...	30·989	+11·749	0·90	43·3854	9·8	...	41·464	+9·327	-4	...	...
441	...	...	...	...	...	501	...	...	...	...	...	561	...	...	...	...	...
*	+21·518	-4·365	1·10	43·3839	9·8	*	+31·069	+43·601	1·20	43·3853	9·3	*	+41·466	-13·635	1·00	44·3949	9·8
...	21·660	+11·523	-1	43·3840	10·4	...	31·359	+24·828	-4	...	...	...	41·559	-20·615	-3	...	...
...	21·806	-33·573	-5	<i>b</i>	...	...	31·602	+54·914	-2	42·3863	10·4	...	41·573	+11·415	-5	...	...
*	21·969	-59·044	1·30	44·3916	9·6	...	31·970	-38·673	-3	44·3930	10·4	...	41·574	+44·403	-5	...	...
...	22·022	+46·623	-4	...	...	...	32·116	-26·275	-5	...	...	*	41·689	+18·685	1·20	43·3870	9·4
*	+22·083	+38·172	1·00	43·3841	10·1	...	+32·230	-49·106	-5	<i>b</i>	...	*	+41·705	-7·994	1·40	44·3950	9·4
...	22·224	-4·367	-5	<i>m</i>	...	...	32·233	+9·166	-4	...	...	...	41·754	+16·920	-5	...	...
...	22·365	-50·367	-4	...	...	...	32·646	-7·176	-2	44·3931	10·2	*	41·880	-37·441	1·35	44·3952	9·6
...	22·397	-13·263	-5	44·3915	10·4	...	32·653	-8·511	-3	...	...	*	41·888	-10·920	1·00	44·3951	9·8
...	22·461	-3·179	-5	...	...	...	32·785	+24·116	-3	...	...	...	41·893	-17·001	-5	<i>m</i>	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
571-610						611-650						651-663					
571	+42.072	-37.791	0.70	44.3953	10.0	611	+49.025	-22.281	1.20	44.3970	9.8	651	+55.538	-7.113	0.5	e	...
...	42.192	-51.131	-4	...	...	*	49.038	-57.967	1.40	44.3972	9.8	...	55.792	+47.122	-4	43.3894	10.2
...	42.199	+17.326	-2	43.3871	10.4	...	49.044	-45.636	-1	44.3971	10.2	...	56.010	+24.819	-4	...	...
...	43.093	-44.378	-2	44.3955	10.2	...	49.422	+1.261	-5	...	...	...	56.047	+34.264	-1	43.3895	10.1
*	43.217	-28.367	1.20	44.3954	9.8	...	49.566	+59.127	-5	42.3886	10.5	...	56.088	+16.690	-2	43.3896	10.2
...	+43.473	+13.635	-4	...	...	...	+49.694	-20.498	-5	e	...	*	+56.092	-58.914	1.80	44.3987	9.0
*	43.491	+34.689	1.20	43.3872	9.8	...	49.794	+18.586	0.75	43.3883	10.2	...	56.258	+8.984	-1	43.3897	10.2
...	43.688	+3.250	-3	43.3874	10.4	...	49.852	-47.376	-1	44.3974	9.9	...	56.929	+53.065	-5	42.3904	10.3
...	43.871	-34.978	0.70	44.3956	10.0	...	50.136	-20.068	0.80	44.3973	10.1	S*	57.292	-7.561	1.53	44.3988	9.0
...	43.889	+17.159	-5	...	...	...	50.469	+32.189	-5	...	...	...	58.679	+23.889	-5	...	...
581	+44.016	+26.362	0.90	43.3873	10.0	621	+50.583	+53.633	-5	42.3887	10.5	661	+58.683	-29.342	0.65	44.3990	10.1
...	44.077	+29.080	-5	...	...	...	50.626	+45.437	-3	43.3884	10.0	...	* 58.973	+48.982	1.85	43.3898	9.2
...	44.280	+25.518	-5	...	...	*	50.659	+24.945	1.10	43.3885	9.2	...	59.328	+49.517	-5	43.3899	10.2
...	44.328	-39.334	0.90	44.3958	9.9	...	51.113	-47.939	-2	44.3975	10.0	...	...	...	...	...	...
...	44.799	+39.455	-4	...	...	...	51.289	+46.886	-4	43.3886	10.0	...	...	...	...	...	...
...	+44.836	-16.570	-3	44.3957	10.4	...	+51.666	+25.246	-1	43.3887	10.1	...	...	...	...	...	...
...	45.189	+33.315	-2	43.3875	10.2	...	51.715	-8.620	-5	e	...	...	...	...	...	...	...
...	45.403	+19.562	-3	43.3876	10.4	...	51.750	+5.472	-5	...	...	...	...	...	...	...	...
...	46.011	-11.570	-5	m	...	*	51.876	-33.678	1.20	44.3976	9.2	...	...	...	...	...	...
*	46.037	+8.206	1.00	43.3877	10.0	...	51.927	-6.148	-4	...	...	...	...	...	...	...	...
591	+46.039	-10.330	1.25	44.3960	9.5	631	+52.148	-49.829	-3	44.3977	10.2	...	...	...	...	...	...
...	46.040	-17.040	-4	...	...	...	52.226	+22.115	-5	...	...	...	...	...	...	...	...
...	46.323	-36.247	-3	44.3963	10.4	...	52.484	-26.814	-3	...	...	...	...	...	...	...	...
...	46.463	-14.284	0.70	44.3961	10.2	...	52.508	+43.587	0.80	43.3888	9.9	...	...	...	...	...	...
...	46.502	+56.016	0.70	42.3883	10.2	...	52.747	-5.897	-5	...	...	...	...	...	...	...	...
...	+46.912	-6.904	-4	...	...	...	+52.767	-32.159	-5	e	...	...	...	...	...	...	...
*	47.000	-15.706	1.40	44.3965	9.2	...	52.784	-36.117	-4	44.3978	10.4	...	...	...	...	...	...
...	47.315	-37.449	-3	44.3966	10.4	...	52.923	+46.382	1.30	43.3889	9.8	...	...	...	...	...	...
...	47.404	+9.340	-1	43.3878	10.4	...	53.000	+16.983	-4	43.3891	10.4	...	...	...	...	...	...
...	47.433	-33.452	-5	...	...	N	53.253	+40.240	0.65	43.3890	10.0	...	...	...	...	...	...
601	+47.692	+29.467	-5	...	...	641	+53.428	-46.265	-5	44.3980	10.4	...	...	...	...	...	...
*	47.692	-3.786	1.15	43.3879	9.9	...	53.622	-46.404	-5	44.3980	10.4	...	...	...	...	...	...
...	47.882	-50.017	-5	e	...	...	54.002	-41.990	-1	44.3982	10.0	...	...	...	...	...	...
...	47.910	-49.227	-1	44.3967	10.0	...	54.148	-1.185	-4	...	...	...	...	...	...	...	...
...	48.213	-36.340	-3	44.3968	10.4	*	54.654	+21.189	1.10	43.3892	9.8	...	...	...	...	...	...
...	+48.510	+23.778	-3	43.3880	10.4	...	+54.787	-50.254	-4	44.3985	10.2	...	...	...	...	...	...
...	48.541	-38.216	-4	44.3969	10.4	...	54.854	-11.176	-4	...	...	...	...	...	...	...	...
...	48.779	+50.367	-5	...	...	...	55.025	-36.237	0.65	44.3984	10.2	...	...	...	...	...	...
...	48.951	+16.475	0.80	43.3882	10.0	...	55.194	-46.645	-1	44.3986	10.0	...	...	...	...	...	...
*	49.002	+21.373	1.50	43.3881	9.2	...	55.500	+39.364	-1	43.3893	10.1	...	...	...	...	...	...

640. Mass. 43°58, two stars; 44°59, mass.

1-10						11-20						21-30					
I	x.	y.	Diam.	No.	Mag.	II	x.	y.	Diam.	No.	Mag.	21	x.	y.	Diam.	No.	Mag.
...	-59.589	-4.943	-5	M	...	...	-58.564	+1.118	-5	...	...	...	-57.489	-45.766	-1	44.3971	10.2
*	59.569	+21.214	1.10	43.3881	9.2	...	58.521	-49.393	0.75	44.3967	10.0	...	57.178	-20.179	0.80	44.3973	10.1
...	59.481	-33.626	-5	...	...	...	58.503	-50.181	-5	E	...	*	57.110	-58.087	1.05	44.3972	9.8
...	59.472	+16.304	0.80	43.3882	10.0	...	58.441	+32.061	-5	...	...	...	57.026	+25.158	-1	43.3887	10.1
...	59.469	-37.639	-3	44.3966	10.4	...	58.248	-2.724	-4	...	...	...	56.893	-44.860	-5	M	...
...	-58.984	+53.482	-5	42.3887	10.5	...	-58.226	-38.364	-5	44.3969	10.4	...	-56.750	+43.508	0.85	43.3888	9.9
...	58.779	-29.028	-5	M	...	*	58.217	-22.419	1.00	44.3970	9.8	...	56.631	-47.478	0.85	44.3974	9.9
...	58.701	+45.296	-2	43.3884	10.0	...	58.063	+46.772	-3	43.3886	10.0	*	56.412	+46.322	1.05	43.3889	9.8
...	58.691	+18.440	0.75	43.3883	10.2	†	58.010	+24.813	1.10	43.3885	9.2	...	56.365	+22.051	-5	...	...
...	58.599	-36.498	-4	44.3968	10.4	...	57.610	-20.624	-5	E	...	...	56.232	+16.593	-5	...	...

S measured from 1, 154, 330, 485, 674, 941.
E 79, 241, 415, 584, 875.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-4.	No.		Mag.	x.		y.	-4.		No.	Mag.		x.	y.	-4.	No.	Mag.
31-90						91-150						151-210					
3I	-55°953	-8°687	-5	E	...	9I	-47°981	+1°430	-5	...	...	15I	-40°090	-2°561	1·05	43·3916	9·8
N	55°908	+40°195	0·65	43·3890	10·0	...	47°738	+23°359	-5	43·3906	10·4	...	40°074	+16°005	-5	43·3918	10·4
...	55°899	+51°641	-5	...	...	...	47°350	-16°787	-5	M	...	...	39°994	-33°524	1·20	44·4001	9·3
...	55°816	-6°210	-3	...	...	...	47°265	-24°102	-4	44·3991	10·4	F†	39°898	-0°080	-2	43·3919	10·1
...	55°447	+16°953	-1	43·3891	10·4	...	46°953	-47°263	-5	M	...	...	39°857	-7°456	1·00	44·4002	9·8
...	-55°341	-48°011	0·75	44·3975	10·0	...	-46°933	-14°573	-4	...	...	...	-39°603	-45°045	-5	M	...
...	55°210	+2°090	-5	...	...	...	46°915	+1°581	-5	...	...	...	39°367	+47°743	1·00	43·3920	9·6
...	55°194	+36°374	-5	...	...	...	46°862	-1°157	-5	M	...	...	39°236	+17°510	-5	M	...
...	55°072	-59°316	-5	M	...	...	46°630	+27°328	-4	43·3907	10·0	...	39°045	-45°838	-2	44·4003	10·4
*	55°012	-33°719	1·00	44·3976	9·2	*	46°541	-28°534	1·15	44·3993	9·4	...	38°962	+19°295	0·80	43·3921	10·1
4I	-55°009	-5°932	-3	...	...	10I	-46°523	-43°589	1·23	44·3992	9·0	S*	-38°924	-9°041	1·00	44·4005	9·8
...	54°623	-26°848	-2	...	...	...	46°456	-29°153	-5	M	...	...	38°871	-42°104	-2	44·4004	10·4
†	54°261	-49°870	-2	44·3977	10·2	...	46°388	+20°719	-5	...	...	...	38°449	+13°736	0·90	43·3922	10·0
...	54°180	-32°169	-5	E	...	...	46°358	+8°241	1·15	43·3908	9·4	...	38°107	-32°927	-5	M	...
...	54°115	+17°690	-5	...	...	...	46°317	+6°167	-5	...	...	...	38°001	-0°009	-5	F	...
...	-54°043	-36°153	-2	44·3978	10·4	...	-46°291	+43°569	-1	43·3909	9·9	...	-37°985	-50°730	0·90	44·4006	9·8
...	53°919	+21°191	0·90	43·3892	9·8	...	46°091	-1°993	-5	M	...	...	37°782	-16°838	-1	44·4007	10·2
...	53°808	-24°829	-5	M	...	...	46°014	+4°615	-5	M	...	...	37°745	-10°893	-4	44·4008	10·4
...	53°735	-1°186	-3	...	...	...	45°803	-14°924	-5	44·3994	10·4	...	37°698	-49°633	-5	M	...
...	53°613	+39°380	0·90	43·3893	10·1	...	45°553	-58°070	-5	M	...	...	37°565	-10°814	-5	M	...
5I	-53°549	+47°138	-3	43·3894	10·2	11I	-45°335	+4°752	-5	...	...	...	-37°545	-48°893	-5	A	...
...	53°358	-32°748	-5	M	...	...	45°268	-31°027	1·00	44·3995	9·8	...	37°451	+14°438	-5	...	...
...	53°137	+39°568	-5	...	...	...	45°237	-17°621	-5	M	...	...	37°358	+7°119	1·05	43·3923	9·6
n	53°088	-46°250	-5	44·3980	10·4	...	45°053	-32°080	-3	44·3996	10·2	...	37°308	-2°923	-2	...	...
...	52°920	+34°296	0·85	43·3895	10·1	...	45°035	-30°437	-5	M	...	...	37°305	-32°681	-3	...	...
n	-52°888	-46°381	-5	44·3980	10·4	*	-44°814	+13°096	1·50	43·3910	8·8	*	-36°852	-38°422	1·00	44·4010	9·8
...	52°729	-11°156	-4	...	...	...	44°579	+30°744	-2	43·3911	10·0	...	36°786	+46°945	-5	...	...
†	52°674	+24°877	-4	...	...	...	44°579	+26°225	-5	...	...	...	36°770	+1°342	-5	...	...
...	52°647	+40°423	-5	...	...	...	44°486	-14°637	-5	M	...	...	36°764	-56°176	0·80	44·4009	10·1
...	52°638	-41°967	0·90	44·3982	10·0	...	44°384	-46°432	-5	...	...	...	36°759	-14°191	-5	M	...
6I	-52°594	+53°105	-4	42·3904	10·3	12I	-44°384	-46°598	-5	44·3997	10·4	18I	-36°734	+21°477	-5	...	...
...	52°332	+16°743	0·75	43·3896	10·2	...	44°097	-22°639	0·65	44·3998	10·2	*	36°437	-9°028	1·15	44·4011	9·0
...	52°168	-7°069	-5	E	...	...	44°027	-14°770	-5	M	...	...	35°782	-13°465	-5	B	...
...	51°944	+9°039	0·80	43·3897	10·2	S*	43°935	+56°288	2·00	42·3919	8·3	...	35°426	+41°986	0·70	43·3924	10·2
...	51°793	-36°192	0·85	44·3984	10·2	...	43°750	+11°479	-5	...	...	...	35°402	-30°131	-5	B	...
...	-51°594	-50°213	0·80	44·3985	10·2	...	-43°548	-32°059	-5	M	...	...	-35°299	-24°318	0·90	44·4013	10·0
*	51°312	-46°594	1·00	44·3986	10·0	...	43°295	+40°279	-3	43·3912	10·0	...	35°215	+21°685	-4	...	...
...	51°267	+8°127	-5	...	...	...	42°875	+20°215	-5	...	...	...	34°954	+3°692	-5	...	...
...	51°216	-13°257	-5	M	...	*	42°781	-36°440	1·30	44·3999	9·2	...	34°744	+36°131	-5	...	...
*	50°431	+49°114	1·25	43·3898	9·2	...	42°636	-4°916	-5	M	...	...	34°686	-54°040	-5	M	...
7I	-50°403	-7°464	1·08	44·3988	9·0	13I	-42°619	-53°134	-5	M	...	19I	-34°599	-23°004	-5	M	...
S*	50°370	-28°766	-5	M	...	...	42°371	+55°664	-5	42·3923	10·3	...	34°556	-1°595	-5	M	...
...	50°259	+6°295	-5	...	...	...	42°215	+41°235	-5	43·3913	10·4	...	34°446	-51°457	-5	M	...
...	50°249	-18°170	-5	M	...	...	41°752	-51°675	-5	M	...	...	34°444	+3°589	-2	...	...
...	50°193	-40°342	-5	A	...	...	41°685	+5°244	-5	...	...	...	34°363	-49°421	0·85	44·4014	10·0
...	-50°115	+49°637	-4	43·3899	10·2	...	-41°682	-18°686	-5	M	...	...	-34°279	-53°247	-5	M	...
†	50°075	+55°836	-3	42·3908	10·2	...	41°618	-37°205	-5	...	...	*	34°231	+34°504	1·00	43·3925	9·8
*	50°022	-58°812	1·35	44·3987	9·0	...	41°584	-42°247	-5	M	...	...	34°231	-31°931	-5	B	...
†	49°874	-30°602	-5	A	...	...	41°505	+31°430	-5	...	...	...	34°071	-12°929	-2	...	...
...	49°717	-30°842	-5	A	...	...	41°362	-18°093	-5	M	...	...	33°891	+15°307	-5	...	...
8I	-48°969	-10°298	-5	...	...	14I	-41°353	+7°125	-3	43·3914	10·2	20I	-33°869	-40°651	0·80	44·4015	9·9
*	48°906	+36°818	1·00	43·3901	9·8	...	41°150	-21°053	-5	M	...	*	33°718	+56°656	1·35	42·3944	9·2
*	48°873	+20°685	1·00	43·3900	9·8	...	41°074	-14°776	-5	M	...	n	33°717	-40°603	-3	44·4015	9·9
...	48°662	+9°256	-5	...	...	...	41°058	-1°639	-5	M	...	...	33°575	-17°476	-5	M	...
*	48°658	+42°866	1·20	43·3902	9·2	...	41°032	-35°145	-5	M	...	...	33°508	-23°906	-4	A	...
...	-48°534	+7°129	-5	...	...	...	-40°983	+35°527	-1	43·3915	9·9	...	-33°495	-55°101	-5	M	...
...	48°361	-29°188	-1	44·3990	10·1	...	40°597	-32°864	-1	44·4000	10·0	*	33°469	+19°533	1·00	43·3927	9·6
...	48°298	+44°084	-4	43·3905	10·0	...	40°471	-33°018	-5	M	...	...	33°409	-39°450	0·85	44·4016	10·0
*	48°220	+23°060	1·00	43·3903	9·6	*	40°309	+18°460	1·00	43·3917	9·9	...	33°406	+12°277	0·85	43·3926	10·0
*	48°135	+17°352	1·00	43·3904	9·8	...	40°207	+32°860	-5	...	...	...	32°585	+42°015	0·80	43·3928	10·0

32. Mass. 43°·58, two stars; 44°·58, mass.

54, 56. C.P.D., mass.

201, 203. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-32.483	-7.160	-4	...	...	271	-25.935	+6.200	-5	...	...	331	-19.870	-26.634	-5	M	...
...	32.343	-47.894	-5	M	...	...	25.709	-47.847	-4	44.4032	10.2	...	19.830	-33.868	-5	M	...
...	32.327	+15.664	-5	...	...	...	25.639	+1.297	-5	...	...	*	19.742	-8.767	1.00	44.4046	9.8
...	32.126	+32.914	-5	...	...	...	25.501	-33.761	-5	M	...	...	19.610	+25.044	0.80	43.3949	10.2
...	32.125	-36.811	0.70	...	...	...	25.467	-15.737	-4	44.4034	10.4	...	19.345	-37.469	0.75	...	...
*	-32.120	-36.911	1.00	44.4017	9.4	...	25.466	+48.043	-5	43.3939	10.4	...	-19.264	+43.220	-5	...	...
*	32.104	+7.891	1.00	43.3929	9.8	...	25.465	-53.102	-3	44.4033	10.2	...	18.935	+41.025	-3	...	...
...	31.953	+42.121	-5	...	...	...	25.394	+38.956	-5	...	...	...	18.919	-52.464	-5	M	...
...	31.904	+53.436	-5	42.3947	10.4	...	25.355	+26.420	-3	43.3940	10.4	...	18.913	-48.247	-5	M	...
...	31.800	-53.747	-5	M	...	*	25.316	+10.492	1.00	43.3938	9.8	...	18.814	-41.184	-5	M	...
221	-31.651	+2.229	-5	M	...	281	-25.257	-49.853	-5	M	...	341	-18.573	+54.181	-5	...	...
...	31.646	-18.838	-5	M	...	...	25.240	-27.099	-5	A	...	...	18.376	+28.294	-1	43.3950	10.4
...	31.573	-35.480	0.80	44.4018	10.2	*	25.203	-43.857	1.20	44.4035	9.3	...	18.220	-59.491	-5	M	...
...	31.489	-1.973	-4	...	...	...	25.143	-10.125	-1	44.4036	10.2	...	18.149	+56.198	-2	42.3968	10.3
...	31.355	-57.403	-3	44.4019	10.4	†	25.062	-9.390	-1	44.4037	9.9	...	18.099	-41.382	-5	...	...
...	-31.296	-26.146	-3	...	...	...	-24.940	-14.274	-3	44.4038	10.4	*	-18.035	+24.686	1.00	43.3951	9.8
...	31.194	+1.308	-5	...	...	...	24.674	-30.405	-5	B	...	...	18.001	-34.062	-4	...	...
...	31.101	-48.752	-5	M	...	...	24.607	-44.774	-5	A	...	...	17.732	-49.127	-1	...	...
...	31.047	-19.029	-4	...	...	...	24.412	+26.759	-5	...	...	*	17.654	+25.032	1.00	43.3952	9.8
...	31.014	-11.017	-2	...	...	...	24.271	-46.045	-5	...	...	...	17.586	-28.116	-1	...	...
231	-30.905	-9.283	0.65	...	...	291	-24.137	-22.110	-5	M	...	351	-17.433	-40.055	1.00	44.4049	9.8
...	30.884	-21.506	-4	...	...	...	24.086	+26.856	-3	43.3941	10.2	*	17.315	+33.260	1.05	43.3953	9.4
...	30.829	+13.969	-5	...	...	...	23.786	+40.831	-5	...	...	*	17.198	-26.307	1.00	44.4050	9.4
...	30.817	+4.314	0.70	43.3930	10.4	...	23.713	-52.194	0.65	44.4039	10.0	...	17.121	-6.728	-3	44.4052	10.4
...	30.776	+13.092	0.80	43.3931	10.2	...	23.473	-27.415	-3	44.4040	10.4	...	17.018	-36.040	0.65	43.3954	10.4
...	-30.739	-31.355	-2	...	...	...	-23.467	+19.195	-5	...	...	...	-16.999	-43.347	-5	44.4053	10.4
*	30.659	-17.694	1.00	44.4020	9.6	...	23.400	+9.851	-5	...	...	...	16.983	-9.691	0.70	44.4054	10.2
...	30.458	+31.805	-5	...	...	...	23.313	+34.333	-5	...	...	...	16.911	+10.847	0.65	...	...
...	30.222	+57.476	0.90	42.3951	9.9	...	23.141	+7.585	-5	...	...	...	16.904	+38.458	-4	...	...
†	30.012	-37.247	-3	44.4021	10.4	...	23.078	-0.416	-5	M	...	...	16.858	-28.792	-5	...	...
241	-30.004	+13.609	-5	43.3932	10.4	301	-22.979	-22.196	-5	...	...	361	-16.842	-32.041	-4	...	...
...	29.837	-27.275	-5	M	...	...	22.786	+27.582	-2	43.3942	10.2	...	16.801	-43.910	-5	M	...
...	29.765	-36.515	-5	...	...	...	22.621	+13.869	-5	...	...	*	16.650	+1.617	1.05	43.3955	9.3
*	29.690	-20.799	1.00	44.4022	9.6	*	22.511	-59.199	1.00	44.4041	9.9	...	16.410	+26.212	0.65	43.3956	10.4
*	29.407	-42.677	1.20	44.4023	9.2	...	22.425	-5.596	-4	43.3943	10.2	...	16.268	-10.897	-5	M	...
...	-29.275	+4.469	-5	...	...	...	-22.125	-39.595	0.70	44.4042	9.9	...	-16.205	+43.946	-5	...	...
*	28.927	+2.834	1.00	43.3933	9.8	...	22.095	+12.728	-5	...	...	...	16.078	-41.213	-4	...	...
...	28.919	+10.454	-5	43.3934	10.4	*	21.756	-36.261	1.20	44.4043	9.6	...	16.022	+32.820	-5	...	...
*	28.874	-22.251	1.15	44.4024	9.2	...	21.721	+47.040	-4	43.3945	10.4	...	15.885	-4.624	-5	M	...
...	28.704	-35.739	-5	M	...	*	21.627	+24.486	1.00	43.3944	9.9	...	15.785	+27.320	-1	...	...
251	-28.680	-13.079	-5	M	...	311	-21.614	-42.568	-5	M	...	371	-15.633	-44.399	-1	44.4055	10.4
...	28.505	-32.789	-5	...	...	...	21.585	+26.421	-5	...	...	...	15.618	+33.622	-2	...	...
...	28.444	-37.309	-4	44.4025	10.2	...	21.569	-19.916	-5	...	...	*	15.597	-12.743	1.00	44.4056	9.6
...	28.074	+31.907	-5	...	...	...	21.512	+35.511	-5	...	...	...	15.578	+13.029	-2	...	...
...	28.073	+11.803	-4	43.3935	10.4	†	21.414	-24.994	-5	...	...	...	15.571	+38.919	-4	...	...
...	-27.949	-53.197	-5	B	...	...	-21.349	-8.630	-5	44.4044	10.2	...	-15.438	-51.700	-5	M	...
...	27.943	+46.875	-5	...	...	...	21.344	+3.694	-5	M	...	...	15.252	-21.285	-5	M	...
...	27.777	-41.846	0.75	44.4026	10.0	...	21.139	+35.549	-5	...	...	...	15.009	+43.368	-5	...	...
...	27.592	-9.535	0.70	44.4027	10.0	...	21.126	-35.115	-5	M	...	...	14.423	-20.866	0.85	44.4057	10.2
...	27.405	+19.313	-4	...	...	...	21.125	-57.640	-5	M	...	...	14.345	-5.063	-2	43.3957	10.4
261	-27.177	-31.677	0.80	44.4028	10.1	321	-21.012	+27.826	-5	...	...	381	-14.300	-52.777	0.90	44.4058	10.0
...	27.078	-58.773	-3	44.4029	10.1	...	20.919	-20.875	0.65	44.4045	10.2	*	14.147	-35.910	1.25	44.4059	9.2
*	26.946	-31.169	1.00	44.4030	9.9	...	20.738	+15.493	-5	...	...	...	13.712	-30.673	-5	M	...
...	26.935	+54.875	-5	...	...	...	20.712	+14.362	-5	...	...	...	13.232	-48.365	-5	M	...
...	26.899	-20.568	-5	M	...	...	20.692	+29.739	-2	43.3946	10.2	...	13.011	-2.405	0.80	43.3958	10.2
...	-26.806	-12.617	-4	44.4031	10.4	...	-20.657	+27.345	-4	43.3947	10.4	†	-12.876	+54.848	-5	...	...
...	26.567	+12.934	-5	43.3936	10.4	*	20.512	+25.769	1.00	43.3948	10.0	...	12.844	-36.224	-2	...	...
...	26.318	+52.268	-5	43.3937	10.4	...	20.411	+13.896	-5	...	...	...	12.744	+33.830	-5	...	...
...	26.216	-55.388	-5	M	...	...	20.360	-57.195	-5	M	...	...	12.720	+44.653	-2	...	...
...	25.993	+5.629	-5	...	...	†	19.993	+10.542	-5	...	...	...	12.712	-1.800	0.90	43.3959	10.2

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
39I	-12.566	-6.530	-5	M	...	45I	-3.721	-31.409	-3	44.4079	10.4	51I	+3.251	-40.936	-5	M m	...
...	12.422	-7.463	-5	...	...	...	3.688	+4.304	-5	...	...	...	3.357	-47.411	-2	m	...
...	12.243	+17.750	-5	...	...	...	3.157	-1.690	-5	M m	...	...	3.415	-21.644	-1	44.4095	10.4
†	12.124	-39.973	-2	44.4060	10.4	...	3.069	-41.192	-5	A m	...	...	3.437	-18.106	-4	A m	...
...	12.025	-46.139	-4	...	...	...	2.954	-20.239	-5	...	...	...	3.469	-5.635	-5	M m	...
...	-11.972	-53.791	-4	...	...	...	-2.920	-31.054	-5	M m	...	...	+3.572	-34.168	-1	44.4096	10.4
...	11.838	+37.406	-4	...	...	...	2.899	-57.841	-5	...	...	*	3.590	-37.049	1.00	44.4097	9.8
...	11.705	-8.625	-5	M	...	*	2.853	+33.211	1.10	43.3971	9.4	...	3.601	+1.926	-5	M m	...
*	11.640	+1.420	1.05	43.3960	9.5	...	2.767	-18.217	-4	m	...	*	3.758	+45.135	1.00	43.3981	10.0
...	11.545	-46.222	-2	44.4061	10.4	...	2.696	-33.994	-4	...	...	...	3.771	-10.541	-5	M m	...
40I	-11.489	-33.264	0.80	44.4063	10.2	46I	-2.685	-13.157	-5	M m	...	52I	+3.807	+1.199	0.75	43.3982	10.2
...	11.469	-14.638	-1	44.4062	10.4	S*	2.325	+53.970	1.40	42.3986	8.4	...	3.955	-21.216	0.70	44.4099	10.2
...	11.469	+15.213	0.80	43.3961	10.1	...	2.215	+50.475	-3	43.3972	10.2	S*	4.025	+24.221	1.45	43.3983	8.6
...	11.461	-26.299	-5	M	...	...	2.177	-44.517	-5	A m	...	...	4.142	+11.344	-2	43.3984	10.2
...	11.440	+34.245	0.75	43.3962	10.4	...	2.116	+30.497	-4	...	...	...	4.161	+22.790	-5	M	...
...	-11.246	-23.587	-5	...	...	...	-2.082	-27.560	0.75	44.4080	9.9	*	+4.310	-11.361	1.00	44.4100	9.4
...	10.799	-55.173	0.70	44.4065	10.2	...	2.052	+36.419	-5	...	...	...	4.620	-44.592	-5	M m	...
...	10.796	+59.463	-5	...	...	...	2.037	+9.625	-5	...	...	...	4.686	-10.811	-5	M m	...
...	10.776	-51.456	0.85	44.4064	10.2	S*	1.904	+12.713	1.13	43.3973	9.0	†	4.900	+3.373	-3	...	...
...	10.605	+13.435	-2	43.3963	10.4	...	1.904	-48.191	-2	44.4081	10.4	†	4.971	-41.928	0.80	44.4101	10.0
41I	-10.542	-58.847	-5	M	...	47I	-1.703	-43.320	-5	...	...	53I	+4.989	-23.324	-5	M m	...
...	10.486	-58.027	-5	...	...	...	1.623	-20.709	-5	M m	...	...	5.005	-13.298	-5	M m	...
...	10.377	+11.268	-5	...	...	*	1.578	-38.021	1.20	44.4082	9.3	...	5.097	+55.410	-5	...	...
*	10.290	-38.663	1.00	44.4066	9.9	...	1.493	-5.262	-5	M m	...	...	5.099	-44.698	0.75	44.4102	10.4
†	10.005	-34.980	-5	44.4067	10.1	...	1.297	+12.015	-5	...	...	...	5.241	+16.895	0.80	43.3985	10.4
†	-9.973	-58.853	0.90	44.4068	10.0	...	-1.232	-52.322	0.75	44.4083	10.0	...	+5.276	-56.208	-3	...	...
...	9.915	-38.223	-5	M	...	...	1.180	+58.067	-4	42.3991	10.0	...	5.393	-15.678	0.85	44.4103	10.1
*	9.755	+32.550	1.00	43.3964	9.8	...	1.140	+40.582	-3	43.3974	10.2	...	5.412	-54.337	-4	...	...
...	9.639	-26.164	-5	...	...	*	1.073	-15.883	1.10	44.4084	9.8	*	5.581	-17.852	1.10	44.4104	9.2
...	9.103	+11.274	-5	...	...	...	0.540	+4.835	-5	43.3975	10.4	...	5.763	+27.393	-5	...	...
42I	-9.088	-32.730	1.05	44.4069	9.8	48I	-0.461	-47.233	-1	44.4085	10.2	54I	+5.807	+3.263	-1	...	...
S*	8.805	-33.510	1.18	44.4070	8.8	...	0.397	+35.685	-5	...	...	...	5.884	-4.237	-2	43.3987	10.4
...	8.524	+39.705	-5	...	...	...	0.366	+8.053	0.70	43.3976	10.0	...	5.895	+18.465	0.90	43.3986	9.9
...	8.505	+44.311	-5	...	...	...	0.208	-34.877	-5	M	...	*	5.958	-10.164	1.00	44.4105	9.6
...	8.304	+28.284	-5	M	...	ff†	0.095	+0.181	0.90	43.3977	9.8	*	6.132	-56.179	1.20	44.4106	9.2
...	-8.301	-37.202	-5	...	...	...	-0.019	-12.568	-5	M m	...	...	+6.408	-52.796	-5	M	...
...	8.166	+21.406	0.70	43.3965	10.0	...	+0.101	-9.748	-3	44.4086	10.4	...	6.631	+7.971	0.90	43.3988	10.0
†	7.939	+59.785	-1	42.3981	9.4	...	0.111	+1.989	-5	M m	...	*	6.642	-10.745	1.00	44.4107	9.8
...	7.831	+12.444	0.70	43.3966	10.0	...	0.125	-29.023	0.80	44.4087	10.2	...	6.784	-7.132	-4	...	...
...	7.440	+27.672	-4	43.3967	10.2	...	0.144	-23.999	-1	44.4088	10.4	...	6.847	+14.686	0.90	43.3989	10.0
43I	-7.343	+5.492	1.00	43.3968	9.8	49I	+0.601	-23.684	-2	44.4089	10.4	55I	+6.869	-33.686	-2	...	...
...	7.286	-11.616	0.70	44.4071	10.0	...	0.720	-25.482	-5	M m	...	...	7.020	+18.503	-5	...	...
...	7.203	+37.810	-4	43.3969	10.4	...	1.035	-33.628	-5	M m	...	...	7.072	-41.946	-1	44.4109	10.4
...	7.152	-54.994	0.70	44.4072	10.0	...	1.063	-22.932	-5	M m	...	*	7.141	-11.903	1.00	44.4108	9.9
...	7.068	-54.382	0.65	44.4073	10.2	...	1.157	-11.558	-5	M m	...	...	7.185	-44.305	0.85	44.4110	10.0
...	-6.874	-35.844	-5	...	...	...	+1.293	-5.901	0.70	43.3978	10.4	...	+7.193	-39.442	-5	m	...
...	6.812	-45.949	0.80	44.4074	9.8	...	1.453	+6.579	-5	...	...	...	7.320	+30.641	-1	43.3990	10.2
...	6.777	-54.058	0.90	44.4075	9.9	...	1.539	-38.022	-4	...	...	...	7.476	-50.703	-5	...	...
...	6.513	+36.758	-5	...	...	...	1.836	+24.470	-5	...	...	...	7.669	+31.294	-4	...	...
*	6.191	+1.219	1.10	43.3970	9.6	...	1.984	-18.890	-3	...	...	...	7.688	+55.404	-5	...	...
44I	-5.896	-43.232	-5	...	...	50I	+1.998	+11.424	-5	M m	...	56I	+7.755	-21.876	-4	...	...
...	5.556	-55.094	-5	M	...	...	2.024	+47.167	-3	43.3979	10.4	...	7.800	-7.694	-1	44.4111	10.2
...	5.381	+25.000	-5	...	...	...	2.141	-5.325	-5	M m	...	...	7.935	+50.137	0.90	43.3991	10.0
...	5.210	-47.839	-5	B m	...	...	2.188	-34.840	-5	M m	...	...	7.959	-27.825	-5	m	...
†	5.083	+53.845	-5	42.3982	10.3	...	2.234	-37.388	-4	...	...	*	8.396	+38.235	1.00	43.3992	9.8
...	-4.849	+27.363	-5	...	...	*	+2.570	-9.112	2.10	44.4091	8.2	...	8.450	-32.542	-5	m	...
...	4.710	-25.591	-4	44.4076	10.4	*	2.641	+9.753	1.00	43.3980	9.8	...	+8.498	+11.572	-2	43.3993	10.4
...	4.374	-55.507	-5	...	...	...	2.812	+41.394	-5	...	...	...	8.713	-17.644	-3	a	...
...	4.053	+49.435	-5	...	...	*	2.852	-42.350	1.05	44.4094	9.4	...	8.736	-50.726	-5	...	...
...	3.891	-31.628	-4	44.4078	10.4	...	2.886	-11.908	0.80	44.4093	10.1	*	8.738	-25.087	2.00	44.4112	8.4

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.		x.	y.	-4.	No.	Mag.
571-630						631-690						691-750					
571	+ 8.840	- 10.355	- 5	<i>m</i>	...	631	+ 14.281	- 25.060	- 5	...	691	+ 21.853	- 34.868	0.80	44.4147	9.9	
...	8.865	+ 34.472	- 5	...	...	...	14.430	- 2.056	0.65	43.4007	10.0	...	21.941	- 33.267	0.90	44.4148	10.0
...	8.971	- 54.576	0.75	44.4113	10.2	...	14.465	+ 19.119	- 5	...	...	...	21.959	+ 11.781	- 3	...	...
...	8.994	- 30.605	- 5	<i>m</i>	...	*	14.660	+ 56.364	1.20	42.4019	9.2	...	21.970	+ 2.577	- 2	43.4018	10.4
...	9.244	+ 18.076	- 5	...	...	†	14.826	- 59.430	1.10	44.4129	9.6	...	22.126	- 11.293	- 4	...	...
...	+ 9.347	+ 25.880	- 5	...	...	...	+ 14.945	+ 18.741	- 5	...	...	...	+ 22.137	- 8.524	- 4	<i>b</i>	...
...	9.379	- 11.772	- 4	...	...	†	14.949	- 16.384	1.20	44.4128	9.2	...	22.383	+ 4.835	- 5	...	...
*	9.399	- 48.513	1.00	44.4114	9.6	...	15.024	+ 23.755	- 5	...	...	...	22.482	+ 0.706	- 4	...	...
...	9.462	+ 34.939	0.85	43.3994	10.2	...	15.348	+ 57.700	- 5	...	...	*	22.533	+ 16.820	1.00	43.4019	9.8
...	9.517	- 18.602	- 5	<i>m</i>	...	*	15.526	- 42.776	1.00	44.4131	10.0	*	22.591	- 15.265	2.10	44.4150	8.4
581	+ 9.564	+ 21.094	- 5	...	...	641	+ 15.589	+ 51.932	1.40	43.4008	8.8	701	+ 22.611	- 22.725	1.10	44.4152	9.3
...	9.660	- 4.065	- 4	<i>b</i>	...	*	15.600	+ 31.239	- 5	...	...	*	22.645	- 12.999	1.00	44.4151	9.8
†	9.870	- 45.343	0.85	44.4115	9.8	...	15.628	+ 39.410	- 5	...	...	*	22.855	- 10.464	1.05	44.4153	9.4
†	10.134	+ 4.961	- 5	...	...	...	15.925	+ 19.544	- 5	...	...	...	22.860	+ 57.856	- 5	42.4024	10.3
...	10.184	+ 1.308	- 4	43.3995	10.4	...	15.996	- 2.004	- 5	...	...	*	22.922	- 54.951	1.00	44.4154	9.8
...	+ 10.264	+ 40.073	- 5	...	...	...	+ 16.032	+ 51.576	- 5	43.4009	10.2	...	+ 23.254	- 33.652	- 5	<i>m</i>	...
...	10.421	- 37.560	- 5	...	...	...	16.078	- 50.838	- 1	44.4132	10.1	...	23.259	- 21.153	- 5	...	...
...	10.476	+ 3.901	- 5	...	...	*	16.312	- 40.321	1.00	44.4133	9.8	...	23.499	- 51.919	- 5	...	...
...	10.481	+ 34.175	- 5	...	...	...	16.386	- 8.256	- 5	<i>m</i>	...	...	23.588	+ 43.226	- 5	...	...
*	10.564	- 26.660	1.00	44.4116	9.8	...	16.480	- 49.312	- 5	...	...	...	23.619	+ 17.080	- 5	...	...
591	+ 10.816	- 28.106	- 5	...	...	651	+ 16.499	- 36.913	- 5	...	...	711	+ 23.661	+ 19.258	1.00	43.4020	9.6
...	11.014	+ 8.525	- 5	...	...	*	16.582	- 49.466	1.20	44.4135	9.3	...	23.725	+ 21.018	- 4	...	...
*	11.197	+ 43.791	1.10	43.3996	9.4	...	16.589	- 27.614	- 5	...	...	...	23.727	+ 10.563	- 5	...	...
*	11.265	- 32.142	1.00	44.4118	9.8	*	16.647	+ 44.025	1.40	43.4010	9.0	...	24.302	+ 10.406	- 4	...	...
...	11.299	- 19.341	0.90	44.4117	9.8	...	16.798	+ 33.138	- 5	...	...	*	24.306	+ 1.543	1.00	43.4021	10.0
...	+ 11.328	- 45.325	- 5	...	...	...	+ 16.883	- 25.752	- 5	...	...	...	+ 24.315	+ 27.837	- 5	...	...
...	11.393	+ 55.678	- 5	...	...	...	16.895	- 8.259	- 5	44.4134	10.4	...	24.417	+ 24.533	- 5	...	...
...	11.470	+ 18.409	- 3	...	...	...	16.926	+ 6.732	- 5	<i>m</i>	...	...	24.452	- 10.907	- 3	...	...
...	11.546	- 15.626	- 5	<i>m</i>	...	...	17.214	+ 33.596	- 5	...	...	...	24.551	- 40.682	0.65	44.4156	10.2
...	11.584	- 29.376	- 5	...	...	*	17.538	- 17.163	1.00	44.4136	9.8	†	24.804	- 10.485	- 4	44.4155	10.4
601	+ 11.608	- 48.230	- 5	...	...	661	+ 17.713	- 27.896	1.00	44.4137	9.8	721	+ 24.807	+ 26.505	- 5	...	...
...	11.766	- 3.397	- 3	43.3997	10.1	...	18.248	- 35.215	- 5	...	...	...	24.946	+ 2.489	- 2	43.4022	10.4
...	11.836	+ 2.606	- 4	43.3998	10.2	*	18.380	- 23.579	1.00	44.4138	9.8	...	24.971	- 45.611	- 5	...	...
...	11.838	- 18.767	- 3	44.4119	10.1	...	18.407	- 40.287	- 5	44.4139	10.4	...	25.048	- 8.027	- 1	...	...
...	11.919	- 38.196	- 5	...	...	...	18.436	- 12.358	- 5	...	...	...	25.093	+ 0.409	- 5	<i>m</i>	...
...	+ 11.987	- 55.764	- 5	...	...	...	+ 18.607	+ 6.454	- 5	...	...	...	+ 25.174	- 35.350	- 5	...	...
...	12.032	- 3.516	- 5	...	...	*	18.671	+ 4.386	1.00	43.4012	10.0	...	25.182	+ 57.106	0.75	42.4026	10.0
...	12.119	- 47.836	- 5	...	...	...	18.705	- 56.066	- 1	44.4140	9.9	...	25.299	+ 15.921	- 5	...	...
...	12.210	- 7.991	- 5	<i>m</i>	...	...	18.720	+ 12.540	- 5	...	...	...	25.482	- 53.841	- 5	<i>m</i>	...
...	12.257	+ 26.834	- 3	43.4000	10.4	...	18.813	+ 18.555	- 3	43.4011	10.2	...	25.519	+ 2.052	- 5	<i>m</i>	...
611	+ 12.291	+ 1.359	- 5	43.3999	10.4	671	+ 19.382	+ 34.106	- 5	...	...	731	+ 25.576	+ 19.765	- 5	...	...
...	12.320	+ 22.438	- 5	...	...	...	19.389	+ 29.393	- 3	43.4013	10.2	...	25.774	+ 37.767	- 5	...	...
S*	12.361	- 57.952	1.20	44.4120	9.2	...	19.534	- 34.787	- 5	...	...	...	25.890	+ 16.573	- 5	...	...
*	12.385	- 38.706	1.00	44.4121	9.9	†	19.942	- 52.156	- 4	44.4141	10.4	...	26.160	+ 4.588	- 5	...	...
†	12.415	+ 5.010	- 4	43.4001	10.0	*	20.303	- 11.105	1.30	44.4142	8.8	...	26.176	- 9.199	- 5	<i>m</i>	...
...	+ 12.558	- 3.322	- 4	43.4002	10.4	...	+ 20.347	- 17.123	- 5	<i>m</i>	...	...	+ 26.246	- 53.800	- 5	...	...
...	12.823	+ 35.736	0.80	43.4003	10.0	...	20.509	+ 31.552	- 5	...	...	...	26.308	+ 0.350	- 3	43.4025	10.4
*	12.833	- 34.681	1.00	44.4122	9.6	...	20.533	- 13.768	- 3	44.4143	10.4	...	26.336	+ 48.318	- 5	...	...
...	12.870	- 34.790	0.65	...	...	...	20.793	+ 47.743	0.90	43.4014	9.9	*	26.342	+ 59.128	1.25	42.4030	9.4
...	12.951	- 38.012	- 5	...	...	...	21.002	- 9.335	0.90	44.4144	10.0	...	26.344	- 28.410	0.75	44.4157	10.2
621	+ 13.092	+ 19.785	- 3	43.4004	10.2	681	+ 21.217	- 36.853	0.80	44.4145	10.2	741	+ 26.412	+ 16.913	- 5	...	...
...	13.219	- 27.953	- 5	<i>m</i>	...	†	21.257	+ 54.760	- 5	...	...	...	26.450	+ 34.107	0.70	43.4023	10.4
...	13.246	+ 37.724	- 4	43.4005	10.2	...	21.277	- 13.645	- 3	...	...	...	26.487	+ 34.590	0.70	43.4024	10.4
*	13.311	+ 42.260	1.00	43.4006	9.8	*	21.316	+ 31.936	1.00	43.4015	9.9	*	26.504	- 35.457	1.00	44.4160	9.9
...	13.684	- 46.721	- 2	44.4123	10.4	...	21.390	- 35.120	0.85	44.4146	10.0	...	26.526	- 34.243	0.80	44.4158	10.2
...	+ 13.955	- 10.353	- 5	<i>m</i>	...	...	+ 21.398	+ 15.367	- 5	...	...	...	+ 26.530	- 47.302	0.85	44.4159	10.0
*	14.028	- 47.765	1.15	44.4125	9.6	*	21.435	+ 7.901	1.00	43.4017	9.5	...	26.674	- 22.787	- 5	<i>m</i>	...
...	14.083	+ 25.708	- 4	...	...	...	21.533	- 29.359	- 4	...	...	...	26.679	- 24.342	- 5	<i>m</i>	...
...	14.089	- 15.597	- 3	44.4124	10.1	...	21.577	+ 10.255	- 5	...	...	...	26.686	- 23.009	- 5	<i>m</i>	...
...	14.195	- 27.171	- 3	44.4126	10.2	*	21.743	+ 46.886	2.10	43.4016	8.3	...	26.699	- 35.505	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
751-810						811-870						871-930					
751	+26°739	+59°110	1·25	42.4031	9·2	811	+32°191	-0°085	-5	<i>m</i>	...	871	+39°486	+28°872	-5	<i>a</i>	...
...	26°790	-44°226	-5	<i>m</i>	...	...	32°283	+28°037	-5	...	...	†	39°597	+54°917	0·80	42.4947	9·8
...	26°897	+42°246	-5	...	...	*	32°285	-25°085	1·10	44.4176	9·3	*	39°653	-15°559	1·00	44.4194	9·6
...	26°967	-0°945	1·00	43.4027	9·6	...	32°548	-53°932	0·80	44.4178	10·2	†	39°686	-4°941	-4	...	...
...	26°990	+17°560	0·85	43.4026	10·2	...	32°576	-43°863	-3	...	...	...	39°935	+43°337	0·65	43.4044	10·0
...	+27°065	+11°701	-5	<i>m</i>	...	...	+32°590	+13°811	-5	...	...	<i>n</i>	+40°894	-25°383	-5	44.4195	10·4
...	27°173	-38°495	1·00	44.4161	9·8	...	32°683	-36°701	-5	...	...	†	40°977	+24°994	1·10	43.4045	9·5
...	27°323	+12°128	-5	...	...	...	32°962	-18°638	0·70	44.4177	10·4	<i>n</i>	41°076	-25°541	-4	44.4195	10·4
...	27°530	+40°097	-3	43.4028	10·4	*	33°276	-59°044	1·10	44.4181	9·6	<i>n</i>	41°106	-25°411	-5	44.4195	10·4
...	27°577	+0°459	-5	<i>m</i>	...	*	33°356	-48°023	1·00	44.4179	9·6	*	41°249	+30°149	1·00	43.4046	9·8
761	...	...	...	...	...	821	...	...	...	...	...	881	...	...	...	...	...
...	+27°583	-14°639	0·70	44.4162	10·2	*	+33°427	-39°960	1·00	44.4180	9·8	...	+41°286	-17°406	-5	<i>m</i>	...
...	27°614	-42°123	0·90	44.4164	10·1	...	33°441	-33°372	-5	<i>m</i>	...	...	41°429	-53°689	-5	44.4197	10·4
...	27°621	-8°574	-1	44.4163	10·4	...	33°823	+16°746	0·75	43.4033	10·4	...	41°615	-0°949	-5	<i>m</i>	...
...	27°798	+42°176	-5	...	...	...	33°828	-53°017	-5	<i>m</i>	...	...	41°807	-46°918	-5	...	...
...	27°809	-58°216	-5	...	...	...	33°854	-15°649	-5	<i>m</i>	...	...	42°104	+40°666	-5	...	...
...	+27°814	+53°058	0·90	43.4029	9·9	...	+33°910	-39°413	-5	<i>m</i>	...	<i>n</i>	+42°130	-39°470	-3	44.4199	10·2
...	27°816	-39°328	-4	...	...	...	34°295	-53°366	-5	<i>m</i>	...	...	42°137	+34°291	-4	43.4047	10·4
...	27°910	-35°466	-5	<i>m</i>	...	...	34°311	-22°780	-5	...	...	...	42°308	+19°710	-2	43.4048	10·2
S*	27°989	-17°660	4·00	44.4165	6·3	...	34°351	-7°435	-5	<i>m</i>	...	...	42°312	-28°795	-5	...	...
...	28°017	-4°538	-5	<i>m</i>	...	...	34°397	-32°886	0·85	44.4183	10·2	<i>n</i>	42°385	-39°550	0·65	44.4199	10·2
771	...	...	...	...	...	831	...	...	...	...	...	891	...	...	...	...	...
<i>n</i>	+28°060	-28°637	-3	44.4166	9·6	...	+34°507	-5°273	-5	<i>m</i>	...	...	+42°520	-15°920	-3	44.4198	10·4
...	28°156	-30°901	-5	<i>m</i>	...	...	34°518	+16°570	0·70	43.4034	10·4	...	42°586	+52°506	-5	...	...
...	28°162	-33°705	-3	...	...	...	34°558	-19°184	0·85	44.4182	10·2	...	42°729	-55°873	-4	44.4201	10·2
<i>n</i> *	28°164	-28°796	1·00	44.4166	9·6	...	34°577	-43°600	0·90	44.4185	10·0	...	42°816	-13°128	-5	...	...
...	28°176	-33°067	-3	...	...	...	34°617	-26°638	-1	44.4184	10·4	...	43°088	-58°711	-5	44.4202	10·4
...	+28°185	-56°031	0·75	44.4167	10·2	*	+35°016	-5°088	1·00	43.4035	9·9	...	+43°377	+4°064	-1	43.4049	10·1
...	28°210	+50°119	-5	...	...	...	35°089	+28°917	-5	...	...	...	43°591	-57°669	0·80	44.4205	9·9
†	28°268	+39°856	-4	...	...	...	35°254	-34°026	-4	...	...	*	43°598	-40°781	1·05	44.4203	9·6
...	28°540	-27°435	-5	<i>m</i>	...	...	35°504	-31°847	0·80	44.4186	10·2	...	43°804	-28°526	-4	44.4204	10·4
...	29°118	-49°998	-5	<i>m</i>	...	*	35°591	+24°699	1·10	43.4036	9·4	...	44°048	-39°502	-4	...	...
781	...	...	...	...	...	841	...	...	...	...	...	901	...	...	...	...	...
...	+29°300	-11°511	-4	...	...	...	+35°604	-57°092	-5	...	...	...	+44°153	-33°553	-5	...	...
...	29°306	-29°982	-4	...	...	...	35°617	-24°669	-4	...	...	...	44°292	-3°723	-5	<i>m</i>	...
...	29°365	+50°120	-5	...	...	...	35°805	+25°128	-2	43.4037	10·2	...	44°427	-17°527	-2	44.4206	10·4
*	29°572	+38°374	1·00	43.4030	9·6	...	36°004	+36°395	-1	43.4038	10·4	...	44°441	-12°038	-2	44.4208	10·2
...	29°587	-46°234	0·90	44.4168	10·0	...	36°118	-28°126	-5	...	...	...	44°514	+3°957	-5	...	...
...	+29°600	-5°072	-4	<i>b</i>	...	...	+36°181	-23°907	-3	...	...	*	+44°529	-13°749	1·10	44.4207	9·6
†	29°814	-40°753	-5	...	...	...	36°322	+4°754	-5	...	...	...	44°556	+42°072	-5	...	...
...	30°127	-36°036	-2	...	...	...	36°717	-7°519	0·80	44.4187	10·4	...	44°624	-27°518	0·65	44.4210	10·2
...	30°453	+35°471	-5	...	...	...	36°830	+14°892	-4	...	...	...	44°794	+9°124	-2	43.4050	10·2
...	30°599	-35°720	0·70	44.4169	10·4	...	36°989	+12°237	-5	...	...	†	44°839	-40°978	-5	...	...
791	...	...	...	...	...	851	...	...	...	...	...	911	...	...	...	...	...
...	+30°732	-18°347	-4	...	...	...	+37°189	-14°961	-5	<i>m</i>	...	...	+44°866	-8°278	-5	...	...
...	30°760	-42°265	-3	44.4170	10·4	...	37°237	-24°681	-5	<i>m</i>	...	...	45°107	-3°197	-5	<i>m</i>	...
...	30°844	-1°324	-5	<i>m</i>	...	...	37°499	-58°316	-5	...	...	...	45°118	-46°309	-3	44.4211	10·4
...	30°879	+7°731	-5	<i>m</i>	...	...	37°559	-17°598	0·65	44.4188	10·4	...	45°264	-35°010	-4	44.4213	10·4
...	30°931	+40°655	-5	...	...	...	37°941	+40°984	-2	43.4039	10·4	...	45°677	+3°224	-4	...	...
...	+30°985	-57°728	-5	<i>m</i>	...	...	+37°966	+9°180	-4	<i>a</i>	...	...	+45°792	-37°384	-5	<i>m</i>	...
...	31°016	+15°752	-5	...	...	...	38°005	-29°711	0·65	44.4189	10·4	...	46°028	-0°792	-5	<i>m</i>	...
...	31°068	-58°662	0·80	44.4172	10·1	*	38°152	+27°851	1·00	43.4040	9·6	...	46°456	-19°164	-5	...	...
...	31°236	-18°800	0·75	44.4171	10·2	...	38°174	-10°368	-5	<i>m</i>	...	...	46°491	-25°634	-5	<i>m</i>	...
*	31°367	-42°571	1·00	44.4173	10·0	*	38°224	+41°963	1·00	43.4041	9·6	...	46°844	-10°955	-5	<i>m</i>	...
801	...	...	...	...	...	861	...	...	...	...	...	921	...	...	...	...	...
...	+31°405	+57°049	-2	42.4040	10·2	...	+38°359	+54°438	-5	...	...	...	+46°857	-36°241	-5	...	...
...	31°456	-49°269	0·90	44.4174	10·1	...	38°481	-26°033	1·00	44.4190	9·8	...	47°156	+24°448	-4	43.4051	10·4
...	31°566	+23°872	-1	43.4031	10·4	*	38°911	-22°994	1·00	44.4192	9·9	...	47°414	+57°934	0·80	42.4057	9·6
...	31°811	+9°213	0·85	43.4032	10·0	...	38°930	+7°845	0·80	43.4043	10·2	...	47°574	-38°039	-4	44.4214	10·4
...	31°831	-38°078	-1	44.4175	10·4	...	38°983	-41°488	-5	...	...	<i>n</i>	47°755	-50°624	-5	44.4215	9·9
...	+31°849	-43°174	-5	<i>m</i>	...	...	+39°050	+28°817	0·70	43.4042	10·4	<i>n</i>	+47°925	-50°608	-3	...	...
†	31°856	-9°916	-3	...	...	...	39°065	+29°704	-5	...	...	...	47°983	+36°095	-5	...	...
...	31°866	-33°061	-4	...	...	†	39°164	-34°836	-3	...	...	...	48°116	+47°116	-5	...	...
...	32°036	-31°214	-5	...	...	...	39°414	-12°921	-3	...	...	...	48°143	-52°301	-2	44.4216	10·1
...	32°112	-14°280	-5	<i>m</i>	...	...	39°440	+50°228	-5	...	...	...	48°310	+2°267	0·90	43.4053	9·9

771, 774. C.P.D., possibly mass.

876, 878, 879. C.P.D., mass.

886, 890. C.P.D., suspected double.

925, 926. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
931-970						971-1010						1011-1021					
931 S *	+48.570	+26.334	2.20	43.4052	8.0	971 ...	+52.851	-48.482	-3	44.4227	10.4	1011 ...	+58.064	-10.493	0.85	44.4235	9.9
...	48.714	+21.680	-3	43.4054	10.4	...	52.929	-53.583	1.00	44.4228	9.8	...	58.217	-22.796	0.90	44.4238	10.0
...	48.750	-10.371	-4	44.4217	10.4	...	53.112	-29.683	-5	...	...	...	58.428	+27.396	0.70	43.4069	10.2
...	48.830	+10.373	1.00	43.4055	9.8	...	53.464	+32.421	1.15	43.4061	9.2	...	58.514	+22.469	0.65	43.4007	10.2
...	48.841	-22.172	-4	44.4218	10.4	...	53.504	+29.453	-5	...	...	...	58.516	-48.146	-5	...	...
...	+48.974	-31.566	-1	44.4219	10.1	...	+53.908	-17.528	-5	...	...	...	+58.528	+42.341	-5	...	...
...	49.251	-32.498	-5	...	...	...	53.914	-39.784	-5	...	...	...	58.688	-57.648	-5	...	...
...	49.368	+35.192	1.00	43.4056	9.8	...	53.943	-29.874	-4	44.4230	10.4	...	58.705	+27.043	-2	43.4071	10.2
...	49.474	-40.606	-5	...	...	S *	54.052	-16.761	1.10	44.4229	9.4	...	59.239	+22.430	0.90	43.4072	10.1
...	49.481	-1.101	-5	m	...	n *	54.287	-58.894	1.40	44.4231	9.2	...	59.374	-14.584	-3	...	...
941 ...	+50.250	+35.724	-5	...	...	981 ...	+54.300	+8.804	0.65	43.4062	10.2	1021 ...	+59.379	+13.393	-5	...	...
...	50.477	+54.433	-2	42.4061	10.2	...	54.385	+9.284	-4	...	...	...	...	...	...	...	...
...	50.481	+11.839	1.10	43.4057	9.2	n	54.463	-58.870	-3	44.4231	9.2	...	...	...	...	...	...
...	50.543	-37.722	-5	m	...	...	54.608	+18.761	-5	...	...	...	...	...	...	...	...
...	50.607	+21.353	0.85	43.4058	10.0	...	54.612	+16.858	1.00	43.4063	9.8	...	...	...	...	...	...
...	+50.824	-32.397	-5	...	...	...	+54.812	-31.583	-5	...	...	...	...	...	...	...	...
...	50.897	-49.680	0.80	44.4221	9.9	...	54.911	-51.446	-5	...	...	...	...	...	...	...	...
...	51.036	+5.399	-5	...	...	...	55.257	-33.543	-4	...	...	...	...	...	...	...	...
...	51.213	+39.990	-5	...	...	...	55.305	+4.745	0.85	43.4065	10.0	...	...	...	...	...	...
...	51.569	-26.631	1.25	44.4222	9.0	...	55.395	-2.171	0.75	43.4066	10.4	...	...	...	...	...	...
951 *	+51.640	+39.218	1.05	43.4059	9.6	991 ...	+55.549	+26.597	-3	43.4064	10.4	...	...	...	...	...	...
...	51.659	-51.658	-3	44.4226	10.4	...	55.578	-52.145	0.90	44.4232	9.8	...	...	...	...	...	...
...	51.670	-35.143	1.00	44.4224	9.8	...	55.700	-41.320	-5	...	...	...	...	...	...	...	...
...	51.782	-13.672	-5	...	...	...	55.975	+21.535	1.00	43.4067	9.8	...	...	...	...	...	...
...	51.794	+20.148	-4	...	...	...	56.084	+37.522	-5	...	...	...	...	...	...	...	...
...	+51.841	-33.391	-5	...	...	...	+56.327	+14.652	-5	...	...	...	...	...	...	...	...
...	51.845	-23.907	-5	...	...	S *	56.778	+58.523	2.80	42.4072	8.0	...	...	...	...	...	...
...	51.864	+31.121	-4	...	...	...	57.000	-39.940	-5	...	...	...	...	...	...	...	...
...	51.873	-31.709	1.00	44.4225	9.6	...	57.071	-31.125	-5	44.4233	10.4	...	...	...	...	...	...
...	51.892	-8.672	1.00	44.4223	9.9	...	57.225	-30.810	-1	44.4234	10.4	...	...	...	...	...	...
961 ...	+52.083	+12.855	-5	...	...	1001 ...	+57.251	+14.775	-5	...	...	...	...	...	...	...	...
...	52.173	+33.009	-3	43.4060	10.4	...	57.254	-12.311	-4	...	...	...	...	...	...	...	...
...	52.239	-46.043	-5	...	...	...	57.282	-2.663	0.80	43.4068	10.2	...	...	...	...	...	...
...	52.281	-15.089	-5	...	...	...	57.292	-6.042	-5	e	...	...	...	...	...	...	...
...	52.348	+11.964	-5	...	...	...	57.345	-6.867	-5	e	...	...	...	...	...	...	...
...	+52.716	-48.049	-5	...	...	...	+57.490	-48.256	-2	44.4236	10.4	...	...	...	...	...	...
...	52.718	-47.919	-5	m	...	...	57.554	-17.304	-5	...	...	...	...	...	...	...	...
...	52.720	-4.034	-5	...	...	...	57.578	+14.202	-5	...	...	...	...	...	...	...	...
...	52.802	-7.669	-5	...	...	...	57.720	-34.692	0.75	44.4237	10.2	...	...	...	...	...	...
...	52.812	-31.354	-5	...	...	...	58.029	-2.913	-5	e	...	...	...	...	...	...	...

980, 983. C.P.D., probably mass.

1-10						11-20						21-30								
I	...	-59.882	+21.507	-2	43.4054	10.4	11	...	-58.196	-52.444	-1	44.4216	10.1	21	...	-56.107	-32.467	-5	...	...
...	...	59.688	+2.090	0.90	43.4053	9.9	...	...	57.994	-31.696	0.80	44.4219	10.1	...	...	55.771	-8.731	1.00	44.4223	9.9
...	...	* 59.629	+35.027	1.05	43.4056	9.8	...	...	57.970	+21.242	0.85	43.4058	10.0	...	...	55.741	-13.740	-5	...	...
...	...	* 59.404	+10.206	1.00	43.4055	9.8	...	...	57.896	+39.878	-5	...	...	...	...	55.535	-26.678	1.05	44.4222	9.0
...	...	59.202	-38.214	-5	44.4214	10.4	...	...	57.811	+11.730	1.15	43.4057	9.2	...	...	55.491	-49.741	0.90	44.4221	9.0
...	...	-59.097	+54.308	-3	42.4061	10.2	...	...	57.690	-32.621	-5	...	...	...	...	-55.450	+32.381	1.30	43.4061	9.2
...	...	58.870	-10.531	-3	44.4217	10.4	...	...	* 57.483	+39.128	1.10	43.4059	9.6	...	...	55.200	-8.938	-5	...	...
...	n	58.631	-50.793	-5	...	...	...	...	57.005	+31.047	-5	...	...	...	...	55.184	-15.130	-5	...	...
...	n	58.451	-50.760	0.85	44.4215	9.9	...	...	56.768	+32.940	-4	43.4060	10.4	...	...	* 55.173	-35.180	1.10	44.4224	9.8
...	...	58.402	-22.311	-1	44.4218	10.4	...	...	56.761	+20.076	-5	...	...	...	...	† 55.098	-31.753	1.00	44.4225	9.6

S measured from 1, 150, 340, 640.
SB " " 83, 271, 503, 731.
ES, MB " " Standards 524, 528, 764.

S, q. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-54.891	-7.711	-5	...	...	...	-44.127	+1.856	-4	...	...	...	-35.053	+27.221	-1	43.4088	10.4
...	54.687	-51.686	-4	44.4226	10.4	...	43.911	-46.280	-5	44.4246	10.4	...	34.840	-34.591	-5	...	...
...	53.920	-29.696	-5	...	...	...	43.847	-19.737	-5	...	...	...	34.707	+31.300	-4	...	...
...	53.902	+8.808	0.80	43.4062	10.2	...	43.807	+14.781	-4	...	...	...	34.623	-13.862	0.85	44.4264	10.1
...	53.826	+9.286	-4	...	...	...	43.544	+44.624	-5	...	...	...	34.448	+48.632	-5	...	...
*	-53.820	+16.865	1.00	43.4063	9.8	...	-43.416	+56.150	-5	...	...	*	-34.335	-14.445	1.15	44.4265	9.3
...	53.610	-48.504	-4	44.4227	10.4	...	43.363	-13.732	-5	...	...	...	34.085	-27.044	-3	...	...
...	53.485	-17.529	-5	...	...	...	43.240	+2.471	-5	...	...	...	34.004	+49.046	-4	...	...
*	53.371	-53.575	1.10	44.4228	9.8	...	43.203	-55.257	-4	44.4247	10.4	n	33.993	-13.687	0.70	44.4268	8.6
S*	53.362	-16.753	1.20	44.4229	9.4	...	43.163	+28.863	-5	...	...	...	33.921	+50.011	-4	...	...
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-53.199	+26.640	-3	43.4064	10.4	...	-42.728	+14.203	-3	43.4077	10.4	...	-33.822	-40.784	1.00	44.4267	9.8
...	53.090	-29.867	-2	44.4230	10.4	*	42.680	+43.415	1.20	43.4078	9.6	...	33.809	-57.647	0.85	44.4266	10.2
S*	52.910	+58.565	3.20	42.4072	8.0	...	42.451	-37.273	-5	...	...	Su*	33.779	-13.572	1.80	44.4268	8.6
...	52.762	+4.790	0.90	43.4065	10.0	...	42.107	-33.019	-5	...	...	*	33.298	-2.671	1.00	43.4090	9.6
*	52.622	+21.586	1.05	43.4067	9.8	...	41.921	-42.373	-5	...	...	...	33.242	+53.961	-5	...	...
...	-52.466	-2.127	0.80	43.4066	10.4	*	-41.757	-48.208	1.10	44.4249	9.5	...	-33.143	-3.923	-4	...	...
...	52.045	+14.726	-5	...	...	†	41.350	+40.019	-5	...	...	...	32.957	-2.549	-5	M	...
n*	51.832	-58.854	1.30	44.4231	9.2	...	41.248	+50.361	-3	43.4080	10.4	...	32.906	+27.110	-3	...	...
n	51.668	-58.829	-3	...	...	...	41.177	-6.353	0.95	43.4079	10.1	*	32.880	+24.321	1.10	43.4091	9.4
...	51.655	-33.483	-5	...	...	...	40.996	-49.938	-5	...	...	...	32.735	-42.966	0.80	44.4269	10.4
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-51.466	-51.375	-5	...	...	...	-40.965	-32.018	-2	44.4250	10.4	*	-32.703	+27.293	1.00	43.4092	9.9
...	51.129	+14.869	-5	...	...	*	40.956	-11.340	1.10	44.4251	9.4	...	32.583	-50.328	-5	...	...
*	50.750	-52.069	1.05	44.4232	9.8	...	40.414	+46.920	-5	...	...	...	32.503	-36.546	0.80	44.4270	10.1
...	50.570	-2.561	0.90	43.4068	10.2	...	40.380	+33.455	-5	...	...	...	32.285	+32.825	0.90	43.4094	10.0
...	50.453	-5.918	-5	E	...	†	40.190	+17.799	-4	...	...	*	32.267	+58.577	2.40	42.4101	8.3
...	-50.366	-6.763	-5	E	...	...	-39.886	-6.581	-5	M	...	*	-32.134	+0.936	1.00	43.4093	9.8
...	50.333	+27.519	0.80	43.4069	10.2	...	39.591	-31.389	-4	44.4253	10.4	...	32.108	-34.481	0.85	44.4271	10.0
...	50.309	-12.200	-4	...	...	...	39.582	-14.620	-4	...	...	...	32.105	-48.193	-5	...	...
†	50.080	+22.595	0.80	43.4070	10.2	...	39.537	+1.965	-4	43.4081	10.4	...	32.020	-44.100	-2	...	...
...	50.044	+27.168	-2	43.4071	10.2	†	39.477	-29.752	-5	...	...	...	32.005	-28.873	-1	44.4272	10.4
61	...	...	...	...	...	121	...	...	...	...	...	181	...	...	...	...	...
...	-49.912	-31.017	-5	44.4233	10.4	...	-39.339	+19.391	-4	...	...	...	-31.705	+40.742	-5	...	...
...	49.857	-17.187	-5	...	...	...	39.298	+56.764	-5	42.4092	10.3	...	31.449	-51.437	0.70	44.4274	10.4
...	49.818	-2.792	-5	E	...	...	39.186	-50.047	-5	...	...	†	31.443	+30.032	-5	...	...
...	49.774	-30.688	0.65	44.4234	10.4	...	38.870	+51.994	-5	...	...	...	31.388	-0.727	-4	...	...
...	49.548	-10.369	0.90	44.4235	9.9	...	38.757	+48.389	-5	43.4083	10.4	†	31.187	+24.949	1.00	43.4095	9.8
...	-49.371	+22.573	0.90	43.4072	10.1	...	-38.729	+32.572	-5	...	...	...	-30.963	+17.297	-5	...	...
...	49.165	-34.560	0.85	44.4237	10.2	*	38.550	+53.853	1.60	42.4095	9.0	...	30.878	-34.456	-5	...	...
...	49.020	-22.656	0.90	44.4238	10.0	*	38.487	-5.316	1.20	43.4082	9.5	...	30.766	+23.028	0.90	43.4096	10.2
...	48.969	-48.116	0.65	44.4236	10.4	...	38.462	+42.839	-5	...	...	...	30.655	+28.044	0.75	43.4097	10.4
...	48.108	-14.413	-2	...	...	*	38.420	-40.021	1.00	44.4255	10.0	...	30.299	-33.915	-5	...	...
71	...	...	...	...	...	131	...	...	...	...	...	191	...	...	...	...	...
...	-47.955	-47.984	-5	...	...	...	-38.193	+4.211	-5	43.4084	10.4	...	-30.044	-9.982	-4	...	...
...	47.504	-57.454	-5	...	...	*	38.189	+48.676	1.40	43.4085	9.2	...	29.631	-57.688	-3	44.4275	10.4
...	47.115	+57.631	-4	42.4080	10.3	...	37.985	-53.477	0.95	44.4256	10.0	*	29.446	-14.053	1.00	44.4276	10.0
...	46.950	-25.011	0.80	44.4239	10.4	...	37.980	-25.319	1.00	44.4257	9.8	...	29.405	-11.573	-5	...	...
...	46.904	-32.924	-5	...	...	*	37.950	+24.604	1.20	43.4086	9.4	...	29.362	-23.969	-5	M	...
...	-46.535	+3.660	-5	...	...	*	-37.797	+46.907	1.00	43.4087	9.8	...	-29.086	-47.309	-2	44.4277	10.4
...	46.448	+2.281	-5	...	...	...	37.613	-52.895	-4	44.4258	10.4	...	29.076	-18.896	-5	...	...
...	46.306	-28.163	0.70	44.4240	10.4	...	37.446	-47.154	-5	...	...	...	29.013	-12.923	-3	...	...
*	46.254	+21.679	1.00	43.4073	10.0	...	36.989	-8.134	0.90	44.4260	10.2	...	28.923	-8.060	-4	B	...
*	46.006	+28.380	1.10	43.4074	9.8	...	36.836	-47.402	-4	44.4259	10.4	†	28.765	+19.973	0.80	43.4098	10.2
81	...	...	...	...	...	141	...	...	...	...	...	201	...	...	...	...	...
...	-45.932	-31.182	-3	44.4241	10.4	...	-36.501	-3.447	-5	...	...	...	-28.676	-15.908	-3	...	...
...	45.522	+16.792	0.85	43.4075	10.2	...	36.275	+56.527	0.80	42.4098	10.0	...	28.633	-13.491	0.70	44.4278	10.4
...	45.069	+38.915	-5	...	...	...	36.105	-14.404	-5	...	...	...	28.486	-52.402	-4	...	...
*	44.901	-41.219	1.05	44.4242	9.9	...	35.959	-46.680	0.95	44.4261	10.0	*	28.442	+32.725	1.00	43.4099	9.6
...	44.854	+10.921	-3	43.4076	10.4	...	35.848	-19.449	-4	...	...	...	28.370	-36.530	-5	M	...
*	-44.817	-29.740	1.00	44.4243	10.0	...	-35.498	-58.504	-4	44.4262	10.4	*	-28.120	-20.149	1.00	44.4279	9.8
...	44.472	-46.102	-4	44.4244	10.4	...	35.350	+43.842	-4	...	...	...	28.061	-33.241	-3	...	...
...	44.266	-27.539	-4	...	...	*	35.250	-12.325	1.10	44.4263	9.8	...	27.817	+30.171	0.80	43.4100	10.2
*	44.223	-27.184	1.20	44.4245	9.6	†	35.214	-7.728	-4	...	...	...	27.761	-32.122	-1	44.4280	10.4
...	44.216	+31.485	-5	...	...	†	35.072	+22.233	2.00	43.4089	8.6	...	27.716	-33.599	-4	...	...

48, 49. C.P.D., probably mass.

159, 163. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-27.438	-44.081	-5	...	...	271	-20.066	-36.739	0.65	44.4298	10.1	331	-11.059	+23.579	-4	...	...
...	27.199	+46.668	-5	...	...	...	19.853	-6.621	-5	M	...	...	10.975	-21.558	-1	44.4314	10.1
...	27.028	-38.028	-4	...	...	*	19.836	-28.396	1.15	44.4299	9.4	*	10.935	-18.438	1.00	44.4313	10.0
...	26.806	+44.698	0.80	43.4101	10.2	*	19.826	+37.097	1.05	43.4115	9.6	S *	10.858	+10.601	1.15	43.4132	9.3
...	26.797	-39.153	0.90	44.4281	10.1	...	19.799	+3.444	0.90	43.4114	10.2	...	10.777	-42.813	-3	...	...
...	-26.338	+32.513	0.85	43.4103	10.2	†	-18.517	-14.819	-4	...	...	*	-10.641	+14.083	1.05	43.4133	9.6
...	26.318	-34.267	0.70	44.4282	10.4	...	18.426	+0.384	-5	M	...	...	10.617	+32.434	-5	...	...
...	26.274	+12.738	-2	43.4102	10.4	...	18.210	-54.290	0.70	44.4300	10.1	...	10.539	-26.118	-4	44.4315	10.4
...	26.207	-2.978	0.65	43.4104	10.4	...	17.996	+58.464	-5	42.4119	10.3	...	10.282	-32.482	0.70	44.4316	10.1
...	26.176	-15.753	-5	M	...	...	17.934	-28.386	-5	...	...	...	10.076	-46.576	0.80	44.4317	10.2
221	-25.999	-12.253	0.80	44.4283	10.2	281	-17.858	-34.814	1.80	44.4301	8.6	341	-9.972	+23.107	-5	...	...
...	25.952	-5.564	0.95	43.4105	9.9	†	17.527	+48.778	1.40	43.4116	9.2	*	9.900	+46.384	1.05	43.4135	9.8
...	25.595	+24.784	0.85	43.4106	10.2	*	17.309	-44.331	-3	44.4302	10.4	...	9.878	+1.877	-4	...	...
...	25.450	-27.014	-2	44.4284	10.4	...	17.277	+15.594	1.00	43.4118	10.0	...	9.857	+23.575	0.65	43.4134	10.4
...	25.399	-7.486	-3	...	...	*	17.149	+8.664	-2	43.4117	10.4	...	9.585	-25.760	-4	...	...
...	-25.380	-2.875	-3	43.4107	10.4	*	-16.773	+54.690	1.30	42.4123	9.0	†	-9.486	-9.905	1.00	44.4318	9.8
...	25.310	-27.111	-5	M	...	...	16.653	+26.661	-5	...	...	...	9.468	-35.016	-5	...	...
†	25.266	+55.603	2.00	42.4106	8.6	...	16.535	+51.560	-5	...	...	...	9.021	+16.428	-2	...	...
†	25.249	-46.981	0.75	44.4285	10.2	...	16.456	+35.617	-5	...	...	*	8.945	-22.613	1.00	44.4319	9.8
...	24.906	+11.702	-4	...	...	*	16.365	+32.942	1.00	43.4119	9.9	...	8.723	+54.503	-5	...	...
231	-24.889	+14.761	-1	...	...	291	-16.343	-11.639	-5	...	...	351	-8.642	-24.362	-2	...	...
*	24.802	+47.737	1.10	43.4108	9.6	...	16.340	+1.359	-3	...	...	...	8.352	-53.466	-5	M	...
...	24.438	-51.197	0.90	44.4286	10.2	...	16.187	+8.785	-5	...	...	...	8.016	-34.349	-5	A	...
...	24.254	+43.648	-5	...	...	...	16.136	+31.913	-5	...	...	...	7.959	-37.567	-5	...	...
...	24.254	+25.686	0.65	...	...	...	15.993	-40.452	-3	44.4303	10.4	*	7.834	-0.697	1.10	43.4136	9.4
...	-24.164	-43.954	-5	...	...	†	-15.931	+10.142	0.65	43.4120	9.9	...	-7.720	+15.491	-5	...	...
*	23.889	-44.483	1.05	44.4287	9.8	...	15.927	-48.406	0.90	44.4304	10.2	...	7.717	+25.508	-5	...	...
...	23.565	-9.179	-2	...	...	...	15.881	-38.832	-5	...	...	...	7.615	+8.541	-3	...	...
...	23.530	+59.130	0.85	42.4110	10.0	*	15.768	-0.073	1.00	43.4121	9.8	...	7.585	+17.557	-4	...	...
...	23.245	-13.500	-5	...	...	...	15.760	+10.272	-5	...	...	*	7.374	-6.846	3.00	43.4137	8.0
241	-23.134	-13.639	0.80	44.4289	10.2	301	-15.688	-16.612	-4	...	...	361	-7.269	-21.437	-5	...	...
...	23.105	-57.972	-2	44.4288	10.4	...	15.674	-32.063	-4	44.4305	10.4	...	7.222	-21.798	-5	...	...
...	23.092	-46.691	-5	...	...	...	15.576	-44.027	-3	...	...	...	7.128	-19.681	-4	...	...
...	23.065	-50.101	-5	M	...	...	15.411	-23.489	-1	44.4306	10.2	*	7.105	+17.710	1.00	43.4138	9.8
S *	22.856	-41.388	3.00	44.4290	8.1	...	15.373	-11.299	0.65	44.4307	10.4	...	6.898	-17.270	-1	...	...
*	-22.851	+22.449	1.15	43.4109	9.3	...	-15.354	+12.942	-5	...	...	...	-6.572	-37.970	-2	m	...
...	22.791	-35.037	-5	...	...	...	15.297	-46.545	-4	...	...	...	5.873	-24.710	-2	m	...
*	22.771	-32.791	1.10	44.4291	9.8	*	15.034	+13.028	1.00	43.4122	9.9	...	5.785	-10.477	-3	44.4320	10.4
...	22.589	-27.726	-5	M	...	*	14.294	-53.293	1.20	44.4308	9.6	...	5.544	-20.763	-5	m	...
...	22.534	-27.290	0.70	44.4292	10.4	*	14.116	+24.361	1.00	43.4123	10.0	...	5.499	-28.941	-3	...	...
251	-22.470	-12.494	1.00	44.4293	10.0	311	-14.048	+44.071	-4	...	...	371	-5.364	-19.908	1.00	44.4321	9.8
α *	22.079	+0.254	1.00	43.4110	10.1	...	13.953	+49.814	-3	43.4124	10.2	...	5.301	-54.567	0.85	44.4322	10.2
*	21.840	+32.806	1.20	43.4112	9.3	...	13.839	-40.572	-5	...	...	†	5.266	-36.380	-2	43.4139	10.4
*	21.839	-35.626	1.00	44.4294	9.9	...	13.740	+6.132	0.80	43.4125	10.2	...	4.993	-22.933	-1	44.4324	10.4
...	21.816	+12.283	0.70	43.4111	10.4	...	13.609	-43.873	-4	...	...	...	4.941	-0.559	-5	M m	...
...	-21.733	-57.943	-4	...	...	...	-13.403	-51.181	-3	...	...	...	4.877	-20.195	-1	44.4323	10.4
...	21.492	+11.433	-5	A	...	...	13.340	+5.349	-3	43.4126	10.4	...	4.727	+36.309	-2	43.4140	10.4
...	21.376	+56.995	-5	...	...	...	13.245	+35.102	-3	43.4128	10.2	...	4.636	-49.287	-4	m	...
...	21.376	+55.923	0.90	42.4113	10.0	...	13.223	+39.907	-5	...	...	...	4.602	-7.327	0.80	43.4141	10.4
...	21.275	-16.291	-5	M	...	...	13.084	+14.360	-1	43.4127	10.2	...	4.469	-6.880	-1	m	...
261	-21.105	-45.186	-4	...	...	321	-12.955	+57.785	1.15	42.4131	9.5	381	-4.367	+3.160	-5	M m	...
...	21.087	-7.379	0.70	44.4295	10.4	...	12.799	-57.173	0.90	44.4309	10.0	...	4.281	-25.701	-5	m	...
...	20.967	-59.277	-4	...	...	†	12.776	+54.937	-4	42.4133	10.3	...	4.194	-12.166	0.90	43.4142	10.1
...	20.951	+58.178	-3	42.4116	10.2	...	12.768	-24.083	-2	44.4310	10.4	...	3.984	-19.862	-5	m	...
...	20.909	-49.898	0.75	44.4296	10.4	...	12.498	-36.910	-5	...	...	...	3.962	-42.375	-3	m	...
...	-20.803	-38.545	-5	...	...	*	-12.433	-55.912	1.20	44.4311	9.5	...	-3.878	-27.370	0.70	43.4143	10.4
...	20.529	-49.946	-1	44.4297	10.4	...	12.238	-36.577	-2	44.4312	10.4	†	3.680	-10.132	0.65	43.4144	10.4
...	20.517	+24.556	-3	...	...	*	12.227	+36.062	1.15	43.4129	9.4	*	3.538	-15.929	1.00	43.4145	9.8
...	20.469	-47.844	-5	...	...	...	11.751	+7.322	0.90	43.4130	10.0	...	3.281	-53.455	-4	...	...
S †	20.272	+40.255	2.00	43.4113	8.3	...	11.098	-4.315	0.95	43.4131	10.0	...	3.127	-58.532	-5	m	...

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.						
	x.	y.	-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.		Mag.	x.	y.	-4.	No.	Mag.	x.	y.	-4.	No.	Mag.	
391-450																												
391	...	2·917	+18·353	-3	m	...	...	451	...	4·656	-39·209	-4	m	...	...	511	...	11·721	-34·953	0·80	...	44·4353	10·2	...	...	...	...
...	...	2·643	-16·118	-3	m	...	...	...	...	4·965	+41·029	-4	...	...	...	...	...	11·743	-53·962	1·10	...	44·4354	9·5	...	...	...	...
*	...	2·552	-53·660	1·20	44·4328	9·4	...	...	...	5·053	+44·464	0·85	43·4159	10·2	...	...	...	11·814	-55·000	-3	...	44·4356	10·4	...	...	...	...
...	...	2·433	+47·034	0·80	43·4146	10·4	...	...	†	5·102	-9·851	-2	44·4342	10·4	...	...	...	11·858	-52·135	-2	...	...	...	...	...	...	...
...	...	1·923	+58·128	0·90	42·4148	10·0	...	...	...	5·111	-51·335	-5	m	...	...	...	...	11·919	+13·772	-5	m	...	...	...	...	...	...
†	...	1·611	+20·025	0·65	43·4147	10·2	...	...	...	5·487	-24·175	-4	m	...	...	...	...	11·942	+5·921	-4	b	...	...	...	...	...	...
...	...	1·578	+18·337	-5	m	...	...	...	...	5·539	+24·318	-5	...	...	...	...	...	11·945	-32·492	1·05	44·4355	9·6	...	...	...	...	...
...	...	1·478	-56·068	0·90	44·4329	10·1	...	...	...	5·615	-7·534	-4	m	...	...	...	...	12·077	+18·477	0·90	43·4173	10·0	...	...	...	...	...
...	...	1·327	-7·163	0·80	44·4331	10·2	...	...	...	5·692	-58·583	0·75	44·4343	10·4	...	...	...	12·182	+52·341	0·80	43·4172	10·2	...	...	...	...	...
...	...	0·996	-39·034	-5	m	...	...	...	...	6·016	+50·943	0·85	43·4160	10·2	...	...	...	12·249	+13·926	-5	m	...	...	...	...	...	...
401	461	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	0·961	-28·331	1·00	44·4332	9·9	...	...	...	6·463	+36·758	1·10	43·4161	9·4	...	...	...	12·339	+0·006	-4	b	...	...	...	...	...	...
...	...	0·801	-2·705	0·90	43·4148	10·2	...	...	...	6·505	-20·005	0·80	44·4344	10·1	...	...	...	12·501	+37·685	0·80	43·4174	10·1	...	...	...	...	...
†	...	0·280	-23·273	0·70	44·4333	10·4	...	...	...	7·125	+41·318	-2	...	...	...	...	...	12·677	+29·551	-3	...	...	...	...	...	...	...
†	...	0·181	-14·787	0·80	44·4334	10·2	...	...	...	7·134	+6·207	1·00	43·4162	9·8	...	...	...	S	13·191	+12·354	0·90	43·4176	9·8	...	...	...	...
*	...	0·132	+35·171	1·10	43·4149	9·3	...	...	...	7·156	-9·584	0·90	44·4345	10·0	...	...	...	...	13·275	+39·883	0·80	43·4175	10·1	...	...	...	...
...	...	0·033	+34·571	0·85	43·4150	9·9	...	...	...	7·169	-7·454	-5	m	...	...	...	...	*	13·360	-50·184	1·05	44·4357	9·6	...	...	...	...
...	...	0·031	-32·741	-5	M m	...	...	...	...	7·235	-13·724	0·90	44·4346	10·0	...	...	...	...	13·869	-36·891	-1	...	...	...	...	...	...
...	...	0·233	-30·497	-5	m	...	...	...	...	7·308	+25·739	-3	...	...	...	...	...	S*	14·175	+10·935	1·15	43·4178	9·4	...	...	...	...
...	...	0·290	+28·632	-3	...	...	...	...	...	7·622	+23·977	1·00	43·4164	9·8	...	...	...	...	14·261	+36·967	0·80	43·4177	10·2	...	...	...	...
*	...	0·307	+39·199	1·20	43·4151	9·3	...	...	...	7·678	+48·847	0·80	43·4163	10·4	...	...	...	...	14·268	-56·069	-5	...	...	...	...	...	...
411	471	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	0·475	-0·794	-3	B m	...	...	...	...	7·707	-49·022	1·00	44·4347	9·8	...	...	...	...	14·320	-3·502	0·70	b	...	...	...	...	...
...	...	0·635	-18·964	-4	m	...	...	...	...	7·805	+43·756	1·25	43·4165	9·3	...	...	...	...	* 14·362	+11·808	1·10	43·4180	9·4	...	...	...	...
...	...	0·681	+12·523	-2	M	...	...	...	...	7·840	-5·745	-3	b	...	...	...	...	...	* 14·373	+25·896	1·00	43·4179	10·0	...	...	...	...
...	...	0·842	-8·956	-2	B m	...	...	...	...	8·050	+47·625	-5	...	...	...	...	...	...	* 14·434	+11·427	1·00	43·4181	9·5	...	...	...	...
S*	...	0·878	+51·458	1·10	43·4153	9·5	...	...	...	8·089	+32·705	-1	...	...	...	...	...	...	...	14·453	-33·135	-5	m	...	...	...	...
...	...	0·911	+32·110	0·90	43·4152	9·9	...	...	...	8·106	-50·378	-4	...	...	...	...	...	...	...	† 14·457	+26·607	-5	...	...	...	...	...
...	...	1·029	-0·660	-5	M m	8·165	-4·744	-4	b	† 14·683	+38·063	1·00	43·4182	9·5
...	...	1·044	+5·357	-5	M m	8·207	-40·449	-5	m	† 15·155	+22·230	-2
...	...	1·085	+55·045	-5	8·331	+52·386	-5	† 15·297	-49·650	-4
...	...	1·296	-17·972	-5	M m	8·372	+7·182	-5	m	15·353	+41·191	0·80	43·4183	10·2
421	481	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·313	+29·252	-3	...	...	...	...	...	8·387	+19·228	1·00	43·4166	9·9	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·338	-46·207	0·75	44·4335	10·4	...	...	...	8·543	+24·387	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·360	-27·827	-4	m	...	...	...	...	8·644	+26·862	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·393	-48·583	-5	m	...	...	...	...	* 8·709	+55·578	2·10	42·4162	8·5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·587	-9·380	0·90	44·4336	10·1	...	...	...	8·736	+50·531	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·590	-52·572	-5	m	...	...	...	...	8·844	+11·189	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·637	+27·121	0·75	...	...	...	...	...	8·935	-14·432	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·775	-41·085	-5	M m	...	...	...	...	9·005	-31·246	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·903	-53·379	-4	m	...	...	...	...	9·106	-25·287	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	1·956	-11·697	-5	M m	...	...	...	...	9·318	-37·018	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
431	491	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2·074	+37·196	-2	...	...	...	...	...	† 9·735	-21·389	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
S*	...	2·222	-51·531	1·70	44·4337	8·8	...	...	...	9·831	+36·217	0·75	43·4167	10·4	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	2·285	-36·163	1·05	44·4338	9·6	...	...	...	9·913	-31·760	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2·413	+34·695	0·85	43·4154	10·2	...	...	...	9·997	+45·587	-2	43·4168	10·4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2·485	-32·403	-2	m	...	...	...	...	10·412	-8·959	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2·582	+34·005	0·80	43·4155	10·2	...	...	...	† 10·560	-44·757	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2·632	-22·892	-2	m	...	...	...	...	S* 10·715	-20·277	2·00	44·4348	8·6	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2·911	-56·561	-5	m	...	...	...	...	10·834	-44·438	0·90	44·4350	10·0	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	2·972	+36·129	-2	...	...	...	...	...	* 10·841	+17·073	1·10	43·4169	9·8	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	2·984	-10·021	1·00	44·4339	9·8	...	...	...	* 10·900</																	

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-4.		No.	Mag.		x.	y.	-4.		No.	Mag.		x.	y.	-4.		No.	Mag.
571-630							631-690							691 750						
57I	+21'165	+56'075	-4	...	...	...	63I	+32'783	-58'416	-4	44.4382	10.4	69I	+42'484	-31'945	-4	44.4396	10.4	
...	21'443	+51'351	1.50	43.4191	8.6	...	...	33'052	+16'755	-5	...	...	...	42'596	-5'111	1.05	43.4222	9.5	
...	21'835	-22'592	-4	b	...	...	...	33'177	-7'515	-5	m	...	...	*	42'847	+14'374	1.00	43.4223	9.8
...	21'955	-55'063	0.80	44.4367	10.1	...	...	*	33'261	-22'156	1.00	44.4383	9.8	...	43'037	-24'494	-3	...	...
...	22'451	-16'443	-3	44.4368	10.4	...	...	*	33'761	+34'699	1.05	43.4207	9.6	S*	43'222	-26'006	1.40	44.4397	8.8
...	+22'474	+27'699	0.85	43.4193	10.1	...	...	...	+34'001	+30'191	-4	...	...	*	+43'410	-36'727	1.20	44.4398	9.4
...	22'619	-3'653	-5	m	...	...	...	...	34'243	-43'274	1.20	44.4384	9.6	...	43'412	+38'759	0.80	43.4224	10.2
...	23'094	+4'661	0.65	43.4195	10.0	...	...	...	34'257	+43'985	-5	...	...	*	43'477	-3'936	1.05	43.4227	9.6
...	23'109	-10'788	-1	44.4369	10.2	...	...	...	34'295	+53'110	0.65	42.4204	10.2	...	43'552	+7'068	0.90	43.4226	10.1
...	23'129	-19'262	-5	m	...	...	...	...	34'891	+57'770	0.90	42.4206	9.8	...	43'691	-3'577	0.80	43.4228	10.2
58I	...	...	...	...	...	...	64I	...	...	...	...	...	70I	...	...	...	...	...
*	+23'165	+17'190	1.05	43.4194	9.6	...	...	...	+35'132	-11'004	-3	b	...	...	+43'769	-34'210	0.80	44.4399	10.2
...	23'427	+37'874	-5	...	...	...	...	...	35'449	-29'735	-4	...	...	...	43'894	-21'863	0.65	44.4400	10.4
...	23'645	-20'776	0.65	44.4370	10.1	...	...	...	35'509	-1'314	0.70	43.4208	10.4	...	43'908	+33'785	0.90	43.4225	10.0
...	23'670	+5'420	-5	35'543	-3'237	-4	b	44'428	+5'994	-4
...	23'702	-26'464	-4	44.4371	10.4	35'948	-10'060	-5	m	44'642	+53'312	-4	42.4221	10.3
...	+23'715	-39'909	-5	m	+35'993	+9'655	-4	+44'951	-19'075	-3	44.4401	10.4
...	23'859	+48'012	1.05	43.4196	9.8	36'262	-6'217	-3	*	44'973	+44'485	1.25	43.4229	9.3
...	24'058	-37'342	-5	m	...	...	...	...	36'359	-11'038	1.00	44.4385	9.8	*	45'085	-36'446	1.25	44.4402	9.4
...	24'130	+32'386	-3	36'459	+32'278	-5	45'302	-7'084	-5	m	...
...	24'220	+9'339	-1	43.4197	10.2	...	...	...	* 36'583	+9'739	1.10	43.4211	9.8	*	45'384	-0'643	1.00	43.4232	10.0
59I	...	...	...	...	...	...	65I	...	...	...	...	...	71I	...	...	...	...	...
...	+24'402	-30'411	-5	m	...	...	...	...	+36'637	+45'210	0.95	43.4209	9.9	...	+45'394	+24'673	0.90	43.4231	9.9
...	24'828	+48'465	-4	...	...	...	...	...	* 36'651	+20'310	1.00	43.4210	10.0	...	45'395	-0'850	-5	m	...
*	25'038	-46'979	2.10	44.4372	8.2	...	...	...	36'896	-26'728	0.90	44.4387	10.0	...	45'485	+37'232	0.90	43.4230	10.0
...	25'229	+36'316	0.85	43.4199	10.1	...	...	...	36'914	+18'505	-5	...	...	...	45'526	-28'726	0.75	44.4403	10.4
...	25'406	+46'924	0.65	43.4198	10.4	...	...	...	37'052	+55'745	-5	...	...	...	45'634	+21'172	0.80	43.4233	10.2
*	+25'510	+9'756	1.00	43.4200	9.8	+37'262	-23'158	-4	+45'704	+26'356	0.90	43.4234	10.1
...	25'944	-24'550	-5	m	...	...	...	...	* 37'395	+36'218	1.00	43.4212	10.1	...	45'867	+55'921	-5	...	...
...	26'213	-28'608	-5	m	...	...	...	...	37'417	-50'532	1.00	44.4389	9.6	*	46'064	-7'751	1.00	44.4404	9.8
...	26'263	+34'014	-5	...	...	...	...	...	37'531	+23'912	-2	43.4213	10.4	...	46'287	+13'599	-5	...	...
...	26'334	+7'629	-3	...	...	...	...	...	38'069	+52'741	-1	42.4210	10.2	†	46'442	-9'712	-5	m	...
60I	...	...	...	...	...	...	66I	...	...	...	...	...	72I	...	...	...	...	...
*	+26'501	-46'535	1.00	44.4373	9.5	...	...	...	+38'113	-9'663	0.85	44.4390	10.0	*	+46'590	+39'459	1.40	43.4235	9.2
*	26'575	-46'696	1.00	44.4375	10.4	...	...	...	38'133	+35'652	-5	...	...	*	46'801	-11'179	1.00	44.4405	9.9
...	27'713	-22'223	-4	44.4375	10.4	...	...	...	38'173	-31'232	-5	...	...	...	47'189	-1'956	0.65	b	...
...	27'826	-0'722	-5	m	...	...	...	...	* 38'242	-42'934	1.25	44.4392	9.2	*	47'699	-5'117	1.00	43.4236	9.8
...	27'855	+11'623	-5	38'254	-41'248	-5	m	47'867	-10'024	-4
...	+27'912	-13'912	-1	44.4376	10.2	...	...	...	* 38'266	-21'281	1.00	44.4391	10.0	...	+47'884	+1'300	-4	...	...
†	28'185	-4'861	-4	43.4201	10.4	...	...	...	38'328	-1'300	0.80	43.4214	10.4	...	48'590	-10'804	-5	c	...
...	28'502	-13'638	0.80	44.4377	10.2	...	...	...	38'604	+8'975	-5	b	...	...	49'215	+49'059	-5	...	...
*	28'618	+7'619	1.05	43.4202	9.6	...	...	...	39'062	+22'679	-3	...	...	...	49'334	+29'112	-5	...	...
...	28'732	+21'187	-4	...	...	...	...	...	39'405	-0'886	-1	43.4215	10.4	...	49'345	-3'916	0.75	43.4237	10.4
61I	...	...	...	...	...	...	67I	...	...	...	...	...	73I	...	...	...	...	...
...	+29'001	+12'937	-4	...	...	...	...	...	+39'407	-10'620	-5	m	...	...	+49'966	-23'480	-5	c	...
...	29'016	-8'160	-4	b	...	...	...	...	40'044	+34'182	0.80	43.4216	10.4	...	49'979	+1'825	-3	43.4238	10.4
...	29'161	-33'107	-4	...	...	...	...	...	40'124	+15'313	0.70	...	...	*	50'125	-30'521	1.00	44.4406	9.9
...	29'194	+43'281	0.95	43.4203	10.0	S*	...	...	40'278	+46'414	1.95	43.4217	8.6	...	50'650	-57'475	-5	44.4408	10.2
...	29'226	+7'590	-5	d	40'439	+2'947	-5	b	50'771	-13'081	-3
...	+29'234	-28'430	-5	m	...	...	...	...	+40'477	-51'616	0.75	44.4394	10.2	*	+50'958	+17'715	1.20	43.4239	9.2
†	29'713	+11'679	1.15	43.4204	9.4	...	...	...	40'512	-19'632	0.90	44.4393	10.0	†	51'060	-24'771	1.00	44.4407	9.9
*	29'753	+9'478	1.10	43.4205	9.5	...	...	...	40'720	+48'681	-5	...	...	...	51'126	-11'348	-4	...	...
...	29'904	-26'839	-5	m	...	...	...	...	41'010	-57'303	-5	...	...	...	51'224	+26'642	-5	...	...
...	30'022	+4'458	-4	...	...	...	...	...	* 41'097	+22'988	1.00	43.4218	9.8	*	51'481	-45'629	1.20	44.4409	9.2
62I	...	...	...	...	...	...	68I	...	...	...	...	...	74I	...	...	...	...	...
...	+30'028	-57'869	-5	...	...	...	...	...	+41'124	+28'473	-4	...	...	*	+51'765	+37'013	1.05	43.4240	9.8
...	30'570	-18'032	-1	44.4378	10.4	...	...	...	41'272	-23'780	-4	...	...	...	51'856	+3'236	-5	...	...
...	30'618	-38'063	-5	...	...	...	...	...	41'327	-20'567	-3	...	...	...	51'967	+44'376	-5	...	...
...	30'735	+57'594	-5	...	...	...	...	...	41'374	+20'404	0.95	43.4219	10.0	...	52'564	-43'920	-5	...	...
...	31'033	+14'446	-5	...	...	...	...	...	41'428	-5'652	-4	m	...	...	52'676	+30'503	-5	...	...
...	+31'251	+51'215	0.90	43.4206	9.9	...	...	...	+41'459	+20'658	-5	...	...	...	+52'691	-38'002	-5	...	...
...	31'452	-49'771	0.95	44.4379	9.9	...	...	...	41'923	-35'854	-5	...	...	...	53'167	-2'584	-4	...	...
*	31'766	-40'718	1.15	44.4380	9.4	...	...	...	* 42'006	+11'932	1.30	43.4220	9.2	...	53'250	-47'251	0.65	44.4411	10.0
...	32'384	+12'407	-3	...	...	...	...	...	42'314	+31'405	0.80	43.4221	10.2	...	53'285	-39'004	-5	c	...
†	32'736	-54'536	1.80	44.4381	9.2	...	...	...	42'361	-15'302	0.65	44.4395	10.2	...	53'486	-58'863			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
751-770						771-789											
751	+53.504	+26.903	-4	...	...	771	+57.192	+4.709	-5	...	...				
...	53.546	-21.994	0.90	44.4410	10.1	...	57.276	-57.952	-5	44.4415	10.2						
...	54.228	-19.330	-5	e	...	...	57.292	+50.957	-5	43.4247	10.2						
...	54.320	+35.718	-5	...	...	†	57.653	+45.163	-5	...	...				
...	54.328	-9.925	-3	...	...	*	57.784	+7.651	1.20	43.4250	9.3						
*	+54.351	-18.827	1.10	44.4412	9.6	...	+57.795	+28.006	0.65	43.4248	10.1						
...	54.374	+7.436	-4	...	...	...	57.818	+3.742	-5	...	...				
†	54.546	+22.263	1.20	43.4241	9.4	...	58.092	+41.287	-4	43.4249	10.4						
α	54.863	-0.419	-5	43.4243	10.4	*	58.221	-29.055	3.40	44.4416	7.2						
†	54.916	-34.602	-4	...	...	*	58.418	-29.252	1.00	...	...				
761	+55.219	-5.996	-5	e	...	781	+58.370	-33.453	-3	44.4417	10.1						
...	55.451	-32.068	2.00	44.4413	8.5	...	58.532	-36.069	1.20	44.4418	9.4						
*	55.750	+23.690	1.05	43.4244	9.6	...	58.884	+52.657	-5	42.4241	10.3						
S†	55.791	+50.136	1.50	43.4242	9.3	*	59.111	-25.275	1.15	44.4421	9.6						
*	55.807	+1.641	1.10	43.4245	9.6	...	59.127	-26.641	0.70	44.4420	10.0						
...	+56.045	-49.957	0.80	44.4414	9.9	†	+59.204	+0.293	-4	...	...				
*	56.293	+17.801	1.20	43.4246	9.3	...	59.260	+13.477	-4	...	...				
...	56.600	+1.153	-5	e	...	†	59.305	-9.681	-5	e	...						
...	56.799	-9.835	-5	e	...	†	59.525	+9.232	1.30	43.4251	9.4						
...	56.921	-10.176	-5	e	...	†											

1-30						31-60						61-90					
1	-59.457	+28.960	-1	...	...	31	-54.070	-38.928	-3	...	...	61	-51.199	+15.945	-5	°M	...
...	59.400	+16.029	-5	M	...	...	54.051	+22.274	1.30	43.4241	9.4	...	51.143	+3.262	-5	M	...
...	59.008	-10.947	-5	E	...	...	53.771	+7.446	-4	...	...	...	51.068	+41.381	0.80	43.4249	10.4
...	58.989	-43.028	-5	M	...	...	53.696	-21.992	0.80	44.4410	10.1	...	51.033	+15.110	-5	M	...
...	58.453	-4.049	0.75	43.4237	10.4	S*	53.661	+50.170	1.60	43.4242	9.3	...	50.977	+28.115	0.85	43.4248	10.1
...	-57.997	+1.696	0.75	43.4238	10.4	...	-53.463	-40.734	-4	A	...	...	-50.870	+4.802	-2	...	...
...	57.570	+57.189	-5	...	...	...	53.442	-56.154	-5	...	...	...	50.807	-9.736	-5	E	...
...	57.508	+26.556	-5	...	...	...	53.288	-9.896	0.70	...	...	...	50.693	-10.081	-4	E	...
*	57.503	+17.625	1.30	43.4239	9.2	...	53.286	-40.854	-5	M	...	...	50.625	+52.781	-4	42.4241	10.3
...	57.268	+44.285	-4	...	...	*	53.232	-47.230	1.00	44.4411	10.0	...	50.585	+26.653	-5	M	...
II						41						71					
*	-57.267	+36.928	1.05	43.4240	9.8	...	-53.081	-19.316	-5	E	...	...	-50.435	+33.496	-5	M	...
...	57.244	-23.585	-5	E	...	α†	53.054	-0.359	-2	43.4243	10.4	*	50.361	+7.777	1.40	43.4250	9.3
...	56.894	+52.985	-5	M	...	*	52.986	-18.802	1.05	44.4412	9.6	...	50.350	-49.856	0.90	44.4414	9.9
*	56.863	-30.618	1.00	44.4406	9.9	*	52.885	+23.750	1.00	43.4244	9.6	...	50.224	+3.858	-4	...	...
...	56.764	-13.166	0.65	...	...	...	52.778	-21.854	-5	M	...	...	50.224	+3.058	-5	M	...
...	-56.706	+55.228	-5	...	...	...	-52.523	-5.942	-5	E	...	...	-50.172	-57.828	-5	M	...
...	56.683	-43.866	-3	...	...	...	52.245	+51.240	-5	...	...	...	50.066	+55.757	-1	...	...
...	56.446	-11.409	-5	...	...	...	52.185	+51.036	0.80	43.4247	10.2	...	50.000	-42.676	-4	A	...
...	56.207	+58.820	-1	...	...	...	52.164	+17.861	1.30	43.4246	9.3	...	49.930	+8.996	-5	M	...
...	56.182	+30.445	-5	...	...	*	52.160	+1.697	1.10	43.4245	9.6	...	49.758	-37.434	-5	M	...
21						51						81					
...	-56.154	+3.162	-4	...	...	...	-52.072	-17.681	-5	M	...	...	-49.073	+13.622	-3	...	...
...	56.114	-24.832	0.90	44.4407	9.9	...	52.022	+31.644	-5	M	...	...	48.899	-57.807	-2	44.4415	10.2
...	55.861	+23.610	-5	M	...	...	52.017	-40.490	-5	M	...	n*	48.806	-28.904	3.40	44.4416	7.2
...	55.817	+38.943	-4	E	...	...	51.949	-34.566	-4	...	...	...	48.801	+32.549	0.65	43.4254	10.4
...	55.520	-57.534	0.65	44.4408	10.2	...	51.698	-30.800	-4	...	...	...	48.743	+0.440	-2	...	...
...	-55.245	+26.869	0.75	...	...	...	-51.638	+45.250	-4	...	...	*	-48.682	+9.390	1.50	43.4251	9.4
*	55.048	-45.658	1.40	44.4409	9.2	*	51.473	-32.006	1.70	44.4413	8.5	n*	48.633	-29.101	0.95	44.4416	7.2
...	54.990	-25.179	-5	M	...	...	51.401	-49.189	-5	M	...	...	48.536	-33.302	-1	44.4417	10.1
...	54.871	-55.683	-5	...	...	...	51.387	+1.251	-5	E	...	...	48.480	+4.564	-2	...	...
...	54.818	+2.554	-4	...	...	...	51.299	-37.352	-5	M	...	...	48.439	+21.727	-5	M	...

NM measured from 1, 120, 222, 326, 425, 537, 647, 764.
MB ,, ,, 81, 198, 296, 388, 510, 614, 717, 840.

83, 87. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		-3.	No.		Mag.	x.		y.	-3.		No.	Mag.		x.	y.	-3.	No.	Mag.
91-150						151-210						211-270								
91	-48.329	-9.509	-4	E	...	151	-40.157	-18.596	1.00	44.4436	9.9	211	-32.708	+13.584	-5	...	...	
*	48.302	-35.907	1.10	44.4418	9.4	...	40.091	+51.363	-4	...	...	...	32.628	+27.026	-3	...	...	
...	48.230	+27.077	-4	...	...	...	40.090	-20.690	-5	...	...	...	*	32.242	-58.807	1.15	44.4450	10.2	
*	48.050	-25.097	1.15	44.4421	9.6	...	40.010	+19.932	-4	...	...	...	*	31.450	+56.251	1.40	42.4259	9.0	
...	47.990	-26.468	0.70	44.4420	10.0	...	39.956	-14.044	0.65	44.4439	10.2	...	...	31.136	-44.781	0.65	...	...
...	-47.873	+5.281	-5	...	...	...	-39.928	-34.943	-3	44.4437	10.4	...	...	-30.584	-24.502	0.95	44.4451	10.6	
...	47.410	-42.457	-3	...	...	...	39.848	+1.730	-5	...	...	...	...	30.451	+53.639	-5	M	...	
*	47.357	+51.959	1.40	43.4253	9.4	...	39.777	-50.140	0.70	44.4438	10.4	...	...	30.244	-0.997	-5	M	...	
*	47.245	-14.335	1.30	44.4423	9.3	...	39.684	+6.508	-5	43.4263	10.2	...	...	30.149	-28.729	0.75	...	...
...	47.208	-59.557	0.65	44.4422	10.2	...	39.480	-18.347	0.80	44.4440	10.4	...	...	S*	30.047	-21.226	2.60	44.4452	7.8
101	-47.190	-16.160	-4	M	...	161	-39.385	+3.050	1.20	43.4264	9.4	221	-29.792	+54.343	0.80	42.4262	10.0			
...	47.133	-29.676	-5	M	...	N*	39.363	+2.624	2.20	43.4265	8.6	...	...	29.651	+48.687	-4	...	...
...	47.073	+30.386	-5	...	...	...	39.322	+37.087	1.00	43.4266	9.8	...	...	29.225	-43.596	0.65	...	...
...	46.692	-0.089	-4	M	...	...	39.300	+38.852	-3	...	...	...	...	29.201	+40.075	-5	...	...
...	46.655	-16.242	-4	44.4425	10.4	...	39.263	-19.489	-1	44.4442	10.4	...	...	* 29.069	+17.966	1.00	43.4278	10.4	
...	-46.644	-41.937	-1	44.4424	10.4	...	* 39.233	+48.058	1.00	43.4268	9.8	...	...	...	-28.861	-42.801	0.95	43.4279	10.4
...	46.497	+52.559	-5	M	...	...	39.011	+15.448	1.00	43.4267	9.8	...	...	...	28.450	-41.123	-4	...	...
*	46.348	+17.601	1.10	43.4255	9.9	...	38.988	+24.004	0.65	43.4269	10.4	...	...	...	28.442	+8.329	-5	M	...
*	46.207	-4.383	1.95	43.4254	8.6	...	38.911	+24.422	-5	...	...	...	...	...	28.293	+54.614	1.70	42.4265	8.6
...	46.193	-21.415	-3	44.4426	10.4	...	38.833	-35.394	-4	44.4441	10.4	...	...	...	* 28.117	-46.862	1.40	44.4454	9.5
111	-46.048	-14.032	0.65	44.4427	10.4	171	-38.536	+21.955	0.70	43.4270	10.4	231	-28.032	-54.603	0.85	44.4455	10.8			
...	46.003	-59.469	-4	...	...	...	38.309	+0.026	-5	...	...	...	...	27.918	-11.344	-5	M	...	
...	45.856	+34.038	-4	...	...	...	38.262	-50.163	-4	...	...	...	...	27.754	+43.952	-5	M	...	
...	45.779	+51.465	1.05	43.4256	9.8	...	38.146	-49.309	-5	...	...	...	...	27.667	-38.985	-5	M	...	
...	45.553	+9.297	-5	M	...	...	37.919	-31.792	-5	M	...	...	...	27.613	+4.909	0.70	43.4280	10.8	
...	-45.454	-21.749	-5	M	...	...	-37.856	+21.305	-2	...	...	...	...	...	-27.264	+40.668	0.65	...	...
...	45.429	-42.357	0.65	44.4428	10.2	181	37.819	+7.794	0.75	43.4271	10.0	...	...	...	27.212	-56.499	0.90	44.4456	10.8
...	45.278	-20.019	-5	M	...	...	37.797	+31.485	0.65	...	...	...	...	...	27.194	+31.635	0.75	...	...
...	45.118	-45.749	-4	...	...	...	37.712	+7.794	0.85	43.4271	10.0	...	...	...	* 27.191	+52.998	1.00	42.4268	9.7
...	44.562	+57.702	-5	M	...	...	37.459	-36.901	1.30	44.4443	9.4	...	...	...	26.733	-14.226	-5	...	...
121	-44.220	+22.625	-4	...	...	191	-37.274	-57.703	-5	...	...	241	-26.693	+13.130	-5	M	...		
...	44.091	+53.099	-5	...	...	...	37.269	+3.702	-4	...	...	...	*	26.556	+25.260	1.30	43.4281	9.5	
...	44.073	-23.309	-5	M	...	...	37.186	-17.607	0.95	44.4444	10.0	...	...	26.538	-43.234	-5	M	...	
...	43.994	-33.668	-5	M	...	...	37.135	+7.951	0.65	43.4272	10.2	...	...	26.433	+56.515	0.95	42.4270	10.0	
...	43.985	+32.422	-4	...	...	...	36.883	+31.088	-4	...	...	...	...	* 26.346	+5.976	1.05	43.4282	10.2	
...	-43.972	-50.794	0.70	44.4429	10.2	...	-36.637	-31.094	-5	M	...	...	...	...	-26.095	+37.911	0.65	...	...
...	43.957	+40.017	-1	...	...	...	36.532	+8.208	0.75	43.4273	10.8	...	...	...	25.883	-47.608	-5	...	...
...	43.892	+15.988	-5	...	...	...	36.266	+42.036	-5	...	...	...	...	...	* 25.835	+34.228	1.10	43.4283	10.0
*	43.606	-31.714	0.95	44.4430	9.8	...	36.035	-53.356	-5	...	...	...	...	...	25.636	-0.695	-5	M	...
*	43.589	+38.448	1.00	43.4258	9.9	...	35.799	+52.058	-5	M	...	...	...	...	* 25.628	+53.418	1.60	42.4271	8.6
131	-43.443	+2.082	1.00	43.4257	9.8	191	-35.394	-26.645	1.70	44.4445	9.2	251	-25.225	+19.581	-5	...	...	
...	43.338	+9.784	0.65	...	...	...	35.361	+37.736	-5	M	...	...	...	25.122	-24.300	-4	...	...
...	43.087	+34.245	0.80	43.4259	10.4	...	35.236	+17.543	0.95	43.4274	10.5	...	...	25.066	+59.038	0.85	42.4273	10.2	
...	43.083	+36.796	-4	...	...	...	35.016	-59.434	0.90	44.4446	10.2	...	...	24.883	+53.972	-4	...	...
...	43.016	-52.455	0.85	44.4432	10.0	...	35.000	+40.182	0.95	43.4275	10.8	...	...	24.852	-28.202	-5	...	...
...	-42.781	+27.308	-5	...	...	...	-34.995	-28.911	0.80	44.4448	10.2	...	...	* 24.622	+7.848	1.20	43.4284	9.6	
...	42.493	-4.092	-5	M	...	...	34.919	-41.401	-4	...	...	...	...	...	24.618	+38.237	-5	...	...
...	42.178	+32.949	-5	...	...	...	34.526	+13.993	-3	...	...	...	...	...	24.036	-36.555	0.95	44.4458	10.5
...	42.005	+24.744	-5	...	...	...	34.444	+18.290	-5	...	...	...	...	...	23.816	-51.046	-4	...	...
...	41.994	+56.432	0.85	42.4250	10.2	201	34.397	+33.795	-5	...	...	261	-23.689	-38.278	-5	M	...		
141	-41.887	-39.067	1.00	44.4433	9.8	...	-34.289	+27.136	-3	...	...	...	...	23.604	+18.472	1.10	43.4285	10.2	
S*	41.720	-43.050	1.40	44.4434	9.2	...	34.131	-25.687	-5	M	...	...	...	23.480	-36.194	0.90	43.4286	10.8	
*	41.024	+8.712	1.00	43.4260	9.8	...	33.997	-24.301	1.10	44.4449	9.6	...	...	*	23.395	-39.507	1.30	44.4459	9.6
...	40.957	-13.604	0.80	44.4435	10.4	...	33.935	-57.971	-4	B	...	...	...	...	23.348	+37.491	1.00	43.4287	10.2
...	40.926	-36.394	-5	M	...	...	33.910	+43.098	-4	...	...	...	...	...	...	-23.338	-26.244	-5	...
...	-40.616	+4.273	-5	M	...	...	-33.431	+2.365	-1	...	...	...	...	...	23.205	-14.312	-5	M	...
...	40.451	+56.724	0.65	...	...	...	32.915	+11.672	0.90	43.4276	10.5	...	...	...	23.152	+23.701	0.70	...	...
...	40.426	+55.883	-5	M	32.898	+42.343	1.60	43.4277	9.0	S*	22.964	-11.349	1.60	43.4288	8.5
...	40.276	+7.570	-1	43.4262	10.4	...	32.876	-5.955	-4	M	...	...	...	...	22.925	-44.475	-1	...	...
*	40.275	+10.262	1.00	43.4261	9.6	...	32.859	+38.801	-3	...	...	...	...	...	...	...	...	...	...

162. Obscure 2nd image of 161.

177, 179 C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-330						331-390						391-450					
271	-22.725	-48.481	1.00	44.4460	9.8	331	-13.783	+13.744	0.90	43.4300	10.8	391	-3.765	-29.017	-4	...	...
...	22.669	+6.792	-3	...	...	...	13.780	-51.749	-5	M	...	...	3.729	+43.200	0.80	43.4311	10.5
†	22.497	-20.264	0.70	44.4461	10.6	...	13.737	-46.845	0.70	44.4471	10.8	...	3.577	+43.165	-5	...	...
...	22.288	-42.862	-5	M	...	...	13.311	+52.264	-5	...	...	...	3.566	+25.620	1.05	43.4312	10.0
*	22.278	-0.199	1.05	43.4289	9.8	...	13.134	-41.582	-5	M	...	...	3.508	-21.105	-3	...	...
...	-22.079	-18.600	-5	M	...	*	-13.094	-39.321	1.50	44.4472	9.0	...	-3.260	+14.165	-4	43.4313	10.8
...	22.034	+21.933	-5	...	...	...	12.998	-45.328	0.70	44.4473	10.4	*	3.156	-37.332	1.20	44.4486	9.4
...	21.975	+55.060	0.80	...	...	...	12.986	-18.212	-1	...	...	...	3.097	-50.307	-5	...	...
*	21.857	-35.315	1.30	44.4462	9.5	...	12.671	-41.622	-1	44.4474	10.8	...	2.987	-43.527	-4	...	...
...	21.641	-48.125	0.90	44.4463	10.6	...	12.584	+21.824	-5	M	...	...	2.963	-19.376	-5	M m	...
281	-21.523	+24.230	-5	M	...	341	-12.395	+46.535	-5	...	...	401	-2.952	-49.321	0.95	44.4487	10.2
...	21.452	+37.970	1.00	43.4290	10.4	...	11.979	-28.987	-5	M	...	m*	2.893	+0.860	1.10	43.4314	9.6
*	21.226	-36.044	1.70	44.4464	8.9	*	11.638	+10.478	1.50	43.4301	9.4	...	2.643	+21.520	-4	...	...
...	21.180	+56.119	0.65	...	...	...	11.378	+40.984	0.80	43.4302	10.6	...	2.087	-13.410	0.95	44.4488	10.0
...	21.095	+11.120	0.70	43.4291	10.8	...	11.338	+22.697	-3	...	...	...	1.958	-34.057	0.85	44.4489	10.2
...	21.022	-18.076	0.95	44.4465	10.2	...	-11.135	+51.661	-1	...	...	*	-1.885	-26.631	1.05	44.4490	9.5
...	20.881	-15.023	-5	M	...	...	10.989	-41.309	-5	M	...	...	1.769	-10.638	0.65	44.4491	10.6
...	20.877	-1.880	-5	M	...	...	10.986	-6.506	-5	M	...	...	1.340	+20.694	-4	...	...
*	20.821	+47.364	1.05	43.4293	10.2	...	10.741	+3.379	-4	...	...	...	1.250	-28.217	-5	m	...
*	20.668	+9.151	1.00	43.4292	10.0	*	10.619	+28.240	1.00	43.4303	10.2	m	1.181	+0.753	-3	43.4315	10.6
291	-20.666	+28.684	0.90	43.4294	10.4	351	-10.419	+38.919	0.65	...	...	411	-1.155	-3.317	-3	B m	...
...	20.306	-33.664	-3	...	...	...	10.411	-58.806	-5	M	...	...	1.077	-46.013	-5	...	...
...	20.298	+46.467	0.95	43.4295	10.6	...	10.394	+27.586	-5	M	...	...	0.870	-44.400	0.75	44.4492	10.6
...	20.276	+24.358	-5	...	...	...	10.111	+27.653	-1	...	...	...	0.730	+42.471	1.40	43.4316	8.7
...	19.914	-34.208	-5	M	...	...	10.029	+45.919	-1	...	...	...	0.499	+56.210	0.70	42.4306	10.3
†	-19.710	+51.184	1.30	43.4296	9.5	...	-9.915	+34.266	-5	M	...	...	-0.465	+31.749	-4	...	...
...	19.422	+14.485	-5	...	...	...	9.849	+23.140	-5	...	...	...	0.430	-27.073	0.65	44.4493	10.2
...	19.108	-11.032	-5	M	...	†	9.837	+46.033	-1	...	...	*	0.187	-37.807	0.95	44.4495	10.2
...	19.099	+8.648	-5	...	...	...	9.640	+51.515	0.70	43.4304	10.8	...	0.155	-9.017	0.85	44.4494	10.2
*	19.075	-20.569	1.15	44.4467	10.0	...	9.536	+41.493	0.90	43.4305	10.4	...	0.094	-33.055	-5	M m	...
301	-18.961	+2.928	-5	...	...	361	-9.304	+1.473	1.40	43.4306	9.5	421	-0.090	-51.735	-5	M m	...
...	18.757	+38.943	-4	...	...	...	9.230	+46.901	-4	...	...	...	-0.034	-31.594	-5	M m	...
...	18.318	+37.474	-4	...	...	...	9.206	-3.319	-5	M	...	...	+0.097	+7.273	-3	43.4317	10.8
...	18.281	+31.052	-4	...	...	...	9.008	+29.197	-4	...	...	†	0.190	-53.515	-5	M m	...
...	17.878	+30.122	-5	...	...	...	8.832	-52.052	-5	M	...	...	0.543	-28.287	0.65	44.4496	10.8
...	-17.675	-9.039	-5	M	...	...	-8.807	-29.323	-5	M	...	...	+0.747	+17.100	-5	M	...
...	17.615	+22.477	-2	...	...	S*	8.457	+38.504	2.40	43.4307	7.8	...	0.762	-54.946	-1	...	...
*	17.467	+12.319	1.15	43.4297	10.0	*	8.430	-48.076	1.00	44.4476	10.0	...	0.897	-9.698	0.80	44.4497	10.8
...	17.453	+53.861	0.85	42.4285	10.3	...	8.349	+14.357	0.80	43.4308	10.5	...	0.909	-49.767	-3	...	...
...	17.369	+52.774	-4	...	...	...	7.749	-11.820	0.70	44.4477	10.8	...	0.960	+40.253	0.75	...	...
311	-16.569	-39.749	-4	...	...	371	-7.588	-10.042	-5	M	...	431	+1.096	-28.071	-5	M	...
...	16.443	+33.314	-5	...	...	...	7.407	+4.455	-5	...	...	...	1.096	+39.275	0.70	...	...
...	16.384	+55.896	-5	...	...	...	7.089	+28.979	0.65	...	...	...	1.268	+3.441	-5	M m	...
†	16.314	-45.134	-2	44.4468	10.8	...	6.740	+45.652	-5	M	...	...	1.349	-13.411	0.75	44.4498	10.8
...	15.965	+19.163	-5	...	...	...	6.230	-16.050	-5	M m	...	...	1.596	+9.970	-5	M m	...
...	-15.958	-43.226	0.85	44.4469	10.6	*	-5.922	-24.371	1.05	44.4478	9.9	...	+1.672	+58.361	-5	M	...
...	15.948	-57.604	-5	M	...	...	5.880	+49.939	-5	M	...	...	1.963	+10.455	0.85	43.4319	10.6
...	15.801	+55.827	-5	...	...	...	5.615	-40.801	0.70	...	...	*	1.965	+43.701	0.95	43.4318	10.5
*	15.647	-38.042	1.15	44.4470	9.9	...	5.595	-32.943	0.85	44.4480	10.8	...	1.978	+40.929	-5	m	...
...	15.598	-21.803	-5	M	...	S*	5.590	-57.358	1.30	44.4482	9.0	...	2.097	-13.472	0.75	44.4499	10.8
321	-15.568	+42.307	1.00	43.4298	10.2	381	-5.406	-51.915	0.90	44.4483	10.0	441	+2.185	+26.956	-5	M	...
...	15.356	+30.974	-4	...	...	*	5.364	-18.736	0.95	44.4484	10.4	...	2.313	-21.648	-5	M m	...
...	15.332	+3.993	-3	43.4299	10.8	...	5.331	+47.656	-1	...	...	...	2.518	-56.162	0.80	44.4500	10.8
...	14.936	-41.938	-5	M	...	...	5.307	-5.136	-4	m	...	...	3.112	-31.231	0.85	44.4501	10.2
...	14.910	+52.344	-2	...	...	...	5.117	-8.590	-5	44.4485	10.8	...	3.199	-59.481	-5	M	...
...	-14.691	+43.552	-5	...	...	...	-4.979	+5.984	0.75	43.4309	10.4	...	+3.260	-4.866	-1	B m	...
...	14.610	-38.664	-5	M	...	...	4.947	-24.991	-5	M m	...	...	3.342	+39.080	-5	...	...
...	14.415	-14.344	-1	...	...	...	4.618	+40.819	0.65	...	...	...	3.433	-59.742	-5	M m	...
...	14.336	-51.842	-5	M	...	...	4.241	+26.805	0.95	43.4310	10.2	...	3.434	-51.134	-1	...	...
...	13.900	-27.411	-5	M	...	...	3.787	+49.248	-5	...	...	*	3.664	-33.265	1.05	44.4502	9.6

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
451-510						511-570						571-630								
451	+	3.730	+29.229	- 5	M	...	+	10.431	+53.710	2	42.4323	10.3	...	+	19.756	-35.646	- 1	...	...
...	...	3.976	+12.658	- 5	...	...	...	10.474	+38.958	1.40	43.4333	9.3	...	...	19.846	-44.765	- 4	...	...
...	...	4.209	+19.150	0.85	43.4321	10.4	...	...	10.563	- 6.259	1.50	43.4334	8.8	...	...	19.896	+11.083	1.05	43.4347	9.6
...	...	4.255	+48.688	1.00	43.4320	10.2	...	...	10.596	-17.659	0.70	44.4515	10.8	...	...	19.918	+16.702	- 1	...	...
...	...	4.402	- 4.871	1.05	43.4322	10.0	...	...	10.599	+ 2.212	- 5	...	...	...	...	19.991	-17.432	0.90	44.4530	10.4
...	+	4.494	+ 5.558	0.95	43.4323	10.4	...	+	10.958	-42.180	- 5	m	...	...	...	20.306	- 1.107	1.30	43.4348	9.6
...	...	4.589	-46.786	- 5	Mm	...	...	...	11.197	-42.745	- 3	44.4516	10.8	...	...	20.380	-32.085	1.15	44.4531	9.6
...	...	4.607	-18.427	- 5	Mm	...	...	...	11.547	-11.448	0.65	44.4517	10.8	...	...	20.582	-36.901	- 5	m	...
...	...	4.643	+36.334	- 5	M	...	...	...	11.800	-43.326	1.00	44.4518	10.0	...	...	20.590	+ 32.660	- 2	...	...
...	...	4.662	-47.020	- 3	...	...	...	...	12.021	-13.585	- 5	...	...	...	20.707	-48.973	- 4	...	...
461	...	4.692	+55.319	- 5	...	...	521	...	12.463	+15.659	0.95	43.4335	10.2	...	+	21.011	-39.298	1.80	44.4533	8.8
...	...	4.821	-42.485	- 5	M	...	...	...	12.610	-45.324	- 5	...	...	...	...	21.182	-15.958	0.85	44.4532	10.5
...	...	4.868	-27.930	0.90	44.4504	10.4	...	...	12.674	- 9.301	0.90	44.4520	10.2	...	...	21.254	+51.671	- 5	...	...
...	...	4.909	-53.813	- 5	M	...	...	...	12.988	+34.090	1.20	43.4336	9.4	...	...	21.611	+35.364	- 5	...	...
...	...	4.910	+17.764	1.10	43.4324	10.0	...	...	13.182	+52.791	- 3	...	...	...	...	21.682	+11.288	0.85	43.4349	10.8
...	+	4.968	-29.650	- 5	Mm	...	...	+	13.399	+41.407	- 5	...	...	...	...	21.877	-29.282	0.70	...	...
...	†	5.198	+ 3.460	- 5	43.4325	10.8	...	...	13.412	+27.814	- 5	...	...	...	...	21.953	-18.699	0.95	44.4535	10.4
...	†	5.235	-32.952	0.70	44.4505	10.8	...	...	13.579	+40.574	- 5	...	...	...	...	22.031	-37.821	- 4	...	...
...	...	5.358	+20.032	- 5	...	...	...	...	13.970	- 8.448	- 5	m	...	...	...	22.402	+31.809	0.80	43.4350	10.8
...	S*	5.441	-12.288	1.60	44.4506	8.8	...	...	14.132	-50.906	- 5	...	...	...	...	22.619	-37.616	- 4	...	...
471	...	5.597	+32.142	1.00	43.4326	10.4	531	...	14.822	+ 4.344	0.65	43.4337	10.8	...	+	22.876	-57.768	- 5	m	...
...	...	6.243	+47.323	0.65	...	...	...	...	14.849	-21.897	0.95	44.4521	10.0	...	...	22.982	-34.934	- 4	44.4537	10.8
...	...	6.251	+14.475	0.75	43.4327	10.6	...	...	14.869	+14.194	- 4	...	...	...	...	23.030	-17.909	- 5	...	...
...	...	6.289	-21.572	- 4	...	...	...	...	14.988	-24.836	1.10	44.4522	9.9	...	...	23.048	-51.337	1.30	44.4538	9.5
...	...	6.298	-43.278	- 5	M	...	...	...	15.011	-42.080	- 5	...	...	...	...	23.079	+45.284	- 4	...	...
...	+	6.376	-25.460	0.80	44.4507	10.6	...	†	15.135	+16.537	0.75	43.4339	10.2	...	+	23.094	-56.988	- 5	m	...
...	...	6.390	+39.029	- 4	...	...	...	†	15.151	+43.395	1.00	43.4338	10.2	...	...	23.243	+56.952	0.65	...	...
...	...	6.633	-49.540	- 5	...	...	...	...	15.206	+57.886	1.00	42.4327	10.2	...	...	23.285	-36.881	- 5	m	...
...	...	6.826	- 7.410	- 4	b	...	...	...	15.220	+31.027	- 5	...	...	...	...	23.292	+21.600	- 5	...	...
...	...	6.927	+16.730	0.80	43.4328	10.8	...	...	15.271	-27.948	- 1	...	...	...	...	23.307	-50.996	- 4	...	...
481	...	7.018	+56.657	1.05	42.4318	9.8	541	...	15.334	-26.753	- 5	...	...	...	+	23.357	+40.485	- 5	...	...
...	...	7.183	-34.541	- 4	...	...	...	...	15.843	+10.741	- 5	...	...	...	...	23.469	-46.814	0.70	44.4539	10.8
...	...	7.296	-21.564	1.40	44.4508	9.0	...	...	15.856	-39.696	- 3	...	...	...	...	23.495	-30.486	- 5	m	...
...	...	7.358	-46.050	1.15	44.4509	9.6	...	...	16.124	- 6.954	1.00	43.4340	9.9	...	...	23.768	- 2.921	- 5	m	...
...	S*	7.405	+16.051	1.70	43.4329	8.6	...	...	16.203	+56.333	0.65	...	...	...	...	24.010	-57.158	0.90	44.4541	10.8
...	...	7.498	+32.851	- 5	m	...	...	...	16.226	-21.686	1.05	44.4523	10.2	...	+	24.027	-56.479	0.80	44.4542	10.8
...	...	7.559	-22.337	0.80	44.4510	10.4	...	...	16.800	-49.172	- 5	m	...	...	...	24.078	- 3.549	- 5	m	...
...	...	7.641	+20.083	0.80	43.4331	10.8	...	...	16.746	+48.655	- 5	...	...	...	...	24.141	-28.292	- 2	...	...
...	...	7.649	+42.369	0.95	43.4330	10.4	...	...	16.836	+37.246	- 4	...	...	...	...	24.322	+57.880	- 5	...	...
...	...	7.683	-53.503	- 5	m	...	...	...	16.963	+22.457	1.00	43.4341	10.0	...	...	24.701	+ 7.199	- 4	...	...
491	...	7.706	+33.414	- 5	...	...	551	...	17.242	-40.556	1.10	44.4524	9.6	...	+	24.961	-50.112	0.70	...	...
...	...	7.803	-33.983	1.20	44.4511	9.5	...	...	17.326	- 3.110	1.00	43.4342	10.2	...	...	25.053	-39.643	- 5	...	...
...	...	7.810	+41.178	- 5	...	...	...	...	17.753	-14.381	- 5	m	...	...	†	25.060	+16.715	0.75	43.4351	10.8
...	...	8.145	-27.893	- 3	...	...	...	...	17.866	-54.923	- 5	m	...	...	†	25.154	- 0.395	0.70	43.4352	10.2
...	...	8.257	+48.775	- 5	...	...	...	...	17.902	-44.469	0.65	44.4525	10.8	...	...	25.302	- 2.286	- 5	m	...
...	+	8.265	+37.503	- 5	...	...	...	...	18.014	+18.311	- 5	...	...	...	...	25.435	-16.141	- 4	...	...
...	...	8.415	-52.300	- 4	...	...	...	...	18.039	-59.449	1.50	44.4526	8.8	...	...	25.556	-27.189	1.00	43.4353	10.4
...	...	8.591	- 7.973	- 5	m	...	...	...	18.210	+30.204	- 5	...	...	...	...	25.649	+19.241	1.20	43.4356	9.2
...	...	8.596	- 6.961	- 5	m	...	...	...	18.251	+10.342	- 1	43.4343	10.8	...	...	25.667	+ 4.968	- 1	43.4357	10.8
...	...	8.657	-36.605	1.30	44.4512	9.4	...	...	18.372	-12.786	- 5	m	...	...	...	25.769	+44.099	1.00	43.4354	10.0
501	...	8.963	-25.738	- 5	...	...	561	...	18.622	+13.784	- 5	...	...	...	+	25.813	+32.543	2.10	43.4355	8.4
...	...	9.142	-41.166	- 4	...	...	...	...	18.654	+30.466	1.60	43.4344	9.0	...	...	25.818	+36.561	- 2	...	...
...	...	9.158	+44.025	0.70	...	...	...	...	18.786	+22.195	- 5	...	...	...	...	25.920	-52.978	0.85	...	...
...	...	9.344	-28.280	- 4	...	...	...	...	18.881	- 1.454	- 4	43.4345	10.8	...	...	26.470	+ 5.251	- 5	...	...
...	...	9.606	-45.900	- 1	...	...	...	...	18.898	-24.518	0.75	44.4527	10.6	...	...	26.500	+ 20.615	1.05	43.4358	9.0
...	+	9.653	-13.414	0.85	44.4513	10.2	...	...	19.157	+20.145	- 5	...	...	...	+	26.654	+ 23.546	0.80	43.4359	10.5
...	...	9.708	-49.136	0.75	...	...	...	...	19.225	-26.651	1.00	44.4528	10.2	...	...	26.739	-44.838	- 4	...	...
...	...	9.791	-10.147	- 3	44.4514	10.8	...	...	19.229	+38.211	- 5	...	...	...	...	26.813	+ 5.861	1.00	43.4361	10.0
...	...	9.979	-37.674	- 5	m	...	...	...	19.301	-23.684	0.95	44.4529	10.2	...	...	26.985	+41.070	- 4	...	...
...	...	10.263	+29.197	0.75	43.4332	10.6	...	...	19.476	+51.974	1.00	43.4346	10.2	...	S*	27.110	-53.506	2.40	44.4543	8.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	x.	y.	No.	Mag.
631-690						691-750						751-810					
631	+27.241	+52.657	0.70	43.4360	10.8	691	+36.843	-37.153	-4	...	...	751	+43.525	+27.706	0.75	43.4386	10.8
...	27.265	+38.017	-3	...	...	...	36.867	+13.041	0.70	43.4374	10.6	...	43.710	-30.325	-5	m	...
...	27.329	-52.404	-5	m	...	...	37.261	-33.965	-4	...	...	...	43.927	-55.664	-3	...	...
...	27.343	+5.681	-3	43.4362	10.8	...	37.635	-9.963	-3	...	...	...	43.981	+29.306	-3	...	...
...	27.475	+11.624	-5	...	...	...	37.761	+45.606	-4	...	...	...	43.992	+19.751	-3	43.4387	10.8
...	+27.983	-13.616	0.80	44.4545	10.6	...	+38.026	+52.977	-4	...	...	*	+44.128	-4.003	1.00	43.4390	10.0
*	28.053	-9.947	1.10	44.4544	9.5	...	38.067	-39.634	-4	b	...	...	44.226	+32.461	-5	...	...
...	28.166	+45.154	-4	...	...	...	38.201	+14.207	0.70	43.4376	10.8	...	44.386	+37.084	0.65	43.4389	10.8
...	28.515	-22.956	-5	m	...	...	38.251	+22.988	-5	...	...	*	44.423	+38.210	1.00	43.4388	10.2
...	28.708	+35.921	0.80	...	...	...	38.315	+7.388	-2	...	...	...	44.584	-15.834	-5	m	...
641	+28.744	-50.601	-5	m	...	701	+38.517	+32.793	0.70	43.4375	10.8	761	+44.729	-9.609	-3	...	...
...	28.827	-30.797	-3	...	...	...	38.548	+55.223	-5	...	...	...	45.007	-59.361	-5	...	...
...	29.002	-47.476	0.90	44.4546	10.6	...	38.622	-11.895	-1	...	...	...	45.021	-52.355	-5	...	...
...	29.081	-21.614	-5	...	...	...	38.623	+55.971	1.05	42.4349	10.4	...	45.131	-50.725	0.90	44.4571	10.2
...	29.169	+37.282	-2	...	...	*	38.648	+17.981	1.05	43.4378	10.0	*	45.365	-19.321	1.05	44.4570	10.0
...	+29.991	+46.853	0.70	...	...	...	+38.833	-53.796	-3	...	...	...	+45.425	-48.046	-2	...	...
...	30.263	+32.351	-4	...	...	...	38.984	-48.255	-4	...	...	*	45.494	+35.153	0.90	43.4391	10.4
*	30.349	-33.231	1.00	44.4547	10.2	...	39.042	-44.712	0.80	44.4560	10.4	...	45.522	-38.058	0.80	44.4572	10.6
...	30.540	+48.825	0.70	...	...	...	39.057	+42.469	0.90	43.4377	10.5	...	45.528	+16.341	-5	...	...
...	30.877	-7.452	0.90	44.4548	10.2	...	39.117	+28.229	0.70	...	...	...	45.586	-4.570	-5	m	...
651	+31.407	-39.160	0.80	44.4549	10.4	711	+39.120	+51.046	-5	...	...	771	+45.725	+40.672	0.95	43.4392	10.4
...	31.439	+44.333	-5	...	...	...	39.398	-17.619	-4	...	...	...	45.930	-20.417	0.75	44.4573	10.8
*	31.548	-43.699	1.30	44.4550	9.6	...	39.487	+36.792	-5	...	...	...	46.079	+21.376	-5	...	...
...	31.719	-11.102	-1	...	...	...	39.545	-45.399	1.00	44.4561	10.4	...	46.106	-49.637	0.85	44.4574	10.5
...	31.909	+14.128	0.80	43.4363	10.8	...	39.595	-43.476	-5	m	...	...	46.205	-0.410	-5	m	...
...	+32.092	+25.934	-1	...	...	...	+39.712	+12.734	0.80	43.4379	10.4	...	+46.405	-51.389	-1	...	...
...	32.166	-27.464	0.75	44.4551	10.8	...	40.133	+17.114	-5	...	...	...	46.515	+55.726	0.70	...	...
...	32.270	-21.963	-4	...	...	...	40.211	-37.931	-1	44.4563	10.6	...	46.551	+41.025	0.90	43.4393	10.4
...	32.412	-3.410	-5	m	...	...	40.226	+55.736	0.75	42.4353	10.6	...	46.598	-4.395	-5	m	...
...	32.546	-1.269	-4	a	...	...	40.388	-57.507	-4	...	...	...	46.659	-50.858	0.70	44.4576	10.8
661	+32.689	-36.352	0.80	44.4552	10.8	721	+40.404	-17.994	-1	44.4562	10.8	781	+46.771	-28.905	0.65	44.4575	10.4
...	32.897	-36.025	0.65	...	...	...	40.431	+8.570	0.85	43.4380	10.4	...	46.836	-28.794	-4	...	...
...	32.977	-50.524	-3	...	...	...	40.431	-34.269	-5	m	...	...	47.156	+5.095	-2	...	...
...	32.978	-48.868	0.80	44.4553	10.8	...	40.495	-49.737	0.80	44.4565	10.8	...	47.179	+27.090	-5	...	...
...	32.984	-11.257	-3	...	...	...	40.591	-25.411	0.90	44.4564	10.4	S*	47.210	-31.146	1.80	44.4577	8.0
...	+33.193	+27.800	0.85	43.4364	10.4	...	+40.767	+7.343	0.65	...	...	...	+47.297	+16.255	0.70	43.4394	10.8
...	33.562	-36.369	-5	m	...	...	40.785	+31.024	0.65	...	...	...	48.126	+37.905	-5	...	...
*	33.892	-38.754	1.00	44.4555	10.0	*	40.929	+20.123	1.20	43.4381	9.5	*	48.392	+21.273	1.00	43.4395	10.2
...	33.910	-52.904	0.70	...	...	...	40.930	-34.163	0.90	44.4566	10.4	*	48.468	-53.101	1.00	44.4579	10.2
...	34.264	+14.517	-5	...	...	...	40.938	-25.367	-4	...	...	...	48.508	-25.073	0.90	44.4578	10.2
671	+34.574	+27.314	0.95	43.4365	10.4	731	+40.941	+15.135	0.70	43.4382	10.8	791	+48.680	+53.623	-5	...	...
*	34.656	-17.921	0.75	44.4556	10.4	...	41.360	-43.385	-5	...	...	...	48.741	+3.688	0.75	43.4397	10.8
...	34.838	+22.286	0.85	43.4366	10.4	*	41.363	-36.211	1.50	44.4567	8.5	...	48.752	+20.315	-5	...	...
...	35.151	-6.680	0.70	43.4369	10.5	...	41.484	-6.202	0.90	43.4383	10.2	...	48.847	+48.363	-5	...	...
*	35.297	+19.426	1.05	43.4367	9.8	...	41.516	-19.194	-5	m	...	...	48.950	+51.017	-4	...	...
...	+35.410	+46.841	-5	...	...	...	+41.618	-19.885	-5	...	...	...	+49.195	+49.919	1.00	43.4396	10.2
...	35.481	-36.964	-5	m	...	...	41.652	+34.934	-1	...	...	*	49.427	-42.228	0.90	44.4581	10.2
*	35.504	-23.495	1.00	44.4557	10.2	...	41.685	+29.053	-3	...	...	...	49.474	+38.428	-5	...	...
*	35.507	-1.857	1.40	43.4370	9.4	...	41.697	+0.969	-5	...	...	...	49.491	-7.424	0.70	...	...
...	35.520	+24.130	-1	...	...	...	42.047	+35.618	0.80	...	...	...	49.624	-17.050	0.85	44.4580	10.4
681	+35.617	-43.729	1.80	44.4558	8.4	741	+42.190	-39.252	0.65	44.4568	10.6	801	+49.822	+56.918	-5	...	...
*	35.663	+34.222	0.70	43.4368	10.8	...	42.200	-31.222	-5	m	...	...	49.855	+57.250	0.75	...	...
...	35.861	+1.457	-1	43.4372	10.8	...	42.260	-40.814	-2	...	...	...	49.874	+1.238	-5	m	...
...	35.889	-12.313	0.65	...	...	...	42.467	-37.680	-5	m	...	...	49.955	+12.799	-4	...	...
...	36.078	+10.333	0.70	43.4373	10.8	*	42.528	+26.620	1.15	43.4384	9.5	†	50.014	-21.493	1.05	44.4582	9.6
...	+36.112	-36.330	0.70	...	...	...	+42.704	-49.440	-2	...	...	*	+50.697	-26.994	1.00	44.4583	9.9
*	36.151	+47.448	1.15	43.4371	9.8	*	43.041	-2.660	1.20	43.4385	9.3	*	50.697	-54.948	1.00	44.4584	10.0
†	36.245	+29.666	-2	...	...	...	43.322	-35.292	-5	m	...	...	50.741	+42.407	0.75	43.4398	10.8
...	36.456	+46.126	-1	...	...	...	43.403	+21.952	-5	...	...	...	50.973	+22.620	-5	...	...
...	36.626	-35.064	-3	...	...	...	43.500	-51.294	-3	...	...	...	51.049	+12.335	0.80	43.4399	10.8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
811-840						841-870						871-882					
811	+51.466	+10.337	- 5	...	...	841	+55.175	-37.873	- 2	...	...	871	+59.279	+34.159	- 2	...	...
...	51.567	+31.157	1.00	43.4400	10.4	...	55.181	+23.666	- 4	...	...	...	59.331	+56.121	- 5	...	...
...	51.662	-34.455	- 4	...	...	...	55.210	-59.965	- 5	...	...	*	59.366	+11.165	1.20	43.4420	9.5
...	51.663	-40.590	0.75	44.4585	10.8	...	55.218	+23.315	0.65	...	...	...	59.461	-11.456	- 5	...	...
...	51.817	+10.677	0.75	43.4401	10.8	*	55.251	- 9.136	1.10	44.4588	9.4	...	59.480	- 6.484	- 3	...	...
...	+52.093	+36.011	- 5	...	...	...	+55.402	- 9.827	- 5	m	...	...	+59.562	-31.663	0.75	44.4593	10.4
...	52.423	+19.001	- 4	...	...	...	55.404	+35.178	- 5	...	...	...	59.625	+39.244	- 1	43.4419	10.8
...	52.595	- 5.037	0.80	43.4404	10.5	*	55.610	+17.153	1.20	43.4410	9.2	...	59.706	+40.308	- 5	...	...
...	52.607	- 5.582	0.80	43.4403	10.5	*	55.928	-21.288	1.10	44.4589	9.6	...	59.716	-55.927	1.00	44.4594	10.4
...	52.980	+40.050	- 5	...	...	*	56.108	+41.708	1.20	43.4411	9.9	...	59.766	-45.586	- 5	m	...
821	+52.981	+45.775	0.90	43.4402	10.4	851	+56.357	+21.342	1.10	43.4413	10.0	881	+59.771	+ 2.307	- 3	...	...
...	52.988	+39.353	- 5	...	...	...	56.495	+38.155	1.00	43.4412	10.4	...	59.918	+24.038	- 3	...	...
...	53.001	-32.358	0.90	44.4586	10.2	...	56.830	-20.437	0.75	44.4590	10.8	...					
...	53.065	-43.469	- 5	m	...	...	57.256	+22.739	- 4	...	...	...		
...	53.310	- 6.699	- 5	m	...	...	57.717	+40.421	- 5	...	...	...		
...	+53.484	+58.432	0.70	42.4375	10.6	...	+57.717	+28.593	- 5	...	...	...		
...	53.585	+36.472	0.65	...	...	...	57.738	+52.391	- 3	...	...	...		
...	53.676	+16.091	- 5	...	...	*	57.792	-27.004	1.05	44.4591	10.2	...					
...	53.811	-10.786	- 5	m	...	...	57.861	-11.827	- 4	...	...	...		
...	53.831	- 5.227	1.00	43.4409	10.0	*	57.979	- 4.981	1.00	43.4415	10.2	...					
831	+53.885	+ 8.719	- 5	...	...	861	+58.236	+11.508	1.10	43.4416	9.6	...					
...	54.013	+46.723	2.00	43.4405	8.2	...	58.343	+21.687	- 5	...	...	...		
*	54.038	+31.724	0.90	43.4406	10.6	...	58.495	+27.093	0.80	43.4414	10.8	...					
...	54.420	-23.746	0.65	...	...	...	58.554	+ 4.636	- 5	m	...	...			
...	54.502	+42.602	1.10	43.4407	10.2	...	58.560	+18.281	0.65	43.4417	10.8	...					
S*	+54.542	+47.292	2.60	43.4408	7.8	...	+58.603	-31.485	- 5	...	...	...		
...	54.783	- 8.137	- 4	...	...	...	58.632	+21.113	- 4	...	...	...		
...	54.861	- 7.183	- 5	m	...	...	58.872	+ 2.036	0.80	43.4418	10.6	...					
...	54.984	-25.735	0.80	44.4587	10.6	...	58.890	- 3.174	- 5	m	...	...			
...	55.137	- 1.610	- 5	m	...	...	59.186	-24.565	0.80	44.4592	10.5	...					

1-20						21-40						41-60					
I	-59.876	-31.469	- 5	M	...	21	-56.425	+10.611	0.70	43.4401	10.8	41	-53.074	-41.768	1.10	43.4411	9.9
...	59.814	+57.118	- 5	...	...	...	56.393	-27.063	1.00	44.4583	9.9	...	52.895	- 8.104	- 5	...	...
...	59.779	+20.150	- 5	...	...	...	56.325	+45.728	0.65	43.4402	10.4	*	52.830	-17.199	1.25	43.4410	9.2
S*	59.748	-31.324	1.95	44.4577	8.0	...	56.224	+58.422	- 4	42.4375	10.6	...	52.785	-23.725	- 4	...	...
...	59.715	-51.047	- 3	44.4576	10.8	...	56.097	+18.950	- 5	...	...	...	52.764	-11.095	- 5	M	...
...	-59.539	-32.041	- 5	M	...	...	-55.537	-55.016	0.95	44.4584	10.0	...	-52.591	+38.228	0.95	43.4412	10.4
...	59.293	+ 3.538	0.65	43.4397	10.8	...	55.462	+36.469	- 5	...	...	*	52.396	- 9.094	1.15	44.4588	9.4
...	58.638	-25.217	0.95	44.4578	10.2	*	55.349	+46.716	2.20	43.4405	8.2	*	52.216	-21.420	1.10	43.4413	10.0
...	58.466	+42.287	- 4	43.4398	10.8	...	55.209	-34.497	- 5	...	...	...	52.157	-25.673	0.70	44.4587	10.6
...	58.370	+12.672	- 5	...	...	†	55.177	- 5.072	0.65	43.4404	10.5	...	51.796	+52.496	- 5	...	...
II	-58.208	- 7.542	- 3	...	...	31	-55.165	- 5.611	0.80	43.4403	10.5	51	-51.590	-37.812	- 4	...	...
*	57.830	-53.242	1.05	44.4579	10.2	†	55.024	-40.634	- 5	44.4585	10.8	*	51.336	-21.205	1.20	44.4589	9.6
...	57.814	-17.165	0.85	44.4580	10.4	...	54.874	+31.724	0.70	43.4406	10.6	...	50.474	-20.334	0.65	44.4500	10.8
...	57.640	+22.515	- 5	...	...	S*	54.819	+47.307	2.45	43.4408	7.8	...	50.276	-27.232	0.65	43.4414	10.8
...	57.304	+31.076	0.95	43.4400	10.4	...	54.749	+42.623	0.95	43.4407	10.2	...	50.025	-11.644	1.05	43.4410	9.6
...	-57.248	+12.246	0.85	43.4399	10.8	*	-53.933	- 5.221	1.10	43.4409	10.0	...	-49.953	+21.264	- 5	...	...
*	57.234	-21.592	1.20	44.4582	9.6	*	53.926	-32.369	1.00	44.4586	10.2	...	49.931	+18.427	0.65	43.4417	10.8
...	57.195	-42.347	0.80	44.4581	10.2	...	53.587	+35.213	- 5	...	...	...	49.842	- 0.966	- 5	A	...
...	56.936	+35.966	- 5	...	...	...	53.475	+23.707	- 5	...	...	*	49.784	- 4.848	1.00	43.4415	10.2
...	56.767	+10.277	- 5	...	...	...	53.433	+23.366	- 4	...	...	...	49.711	-11.699	- 5	...	...

SB measured from 1, 132, 254, 375, 477, 582.
 E " " 55, 194, 310, 420, 531, 635.
 ES, MB " Standards 4, 535, 623.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.	
61-120						121-180						181-240									
61	...	-49°710	+34°313	-4	...	...	121	...	-41°407	+16°822	0.90	43.4435	10.6	181	...	-32°523	-45°222	-3	44.4613	10.8
...	...	49°499	+39°408	-3	43.4419	10.8	...	...	41°315	-40°325	-5	...	...	...	*	32°351	+14°484	1.80	43.4448	8.7
...	...	49°446	+40°478	-5	*	41°194	+9°019	1.05	43.4436	10.0	31°954	+21°692	-5
*	...	49°312	-26°857	1.00	44.4591	10.2	40°836	-5°095	-4	31°945	-41°403	-5
...	...	49°119	+2°198	0.80	43.4418	10.6	40°816	-25°391	-5	31°929	-37°599	-5
*	...	-48°911	+11°341	1.15	43.4420	9.5	-40°697	-32°540	0.90	44.4601	10.4	-31°834	-16°093	0.65	44.4616	10.6
...	...	48°758	+24°213	-4	40°623	+53°147	-5	42.4398	10.8	31°659	-39°781	-2	44.4615	10.8
...	...	48°367	-31°325	-5	*	40°534	-2°617	1.15	43.4437	9.5	31°623	-21°955	1.00	44.4617	10.0
...	...	48°289	+56°377	-5	42.4384	10.6	40°532	-19°607	-5	31°537	-14°095	-5	M	...
...	...	48°253	-6°395	-4	*	40°452	-46°026	1.00	44.4602	10.2	31°415	+34°159	-5
71	...	-48°229	+2°489	-4	...	...	131	...	-40°370	-45°293	-4	44.4603	10.8	191	*	-31°306	-41°955	1.00	44.4619	10.2
...	...	48°134	-11°264	-5	E	...	...	...	39°864	-5°905	-5	M	...	...	...	31°265	-39°530	-5	...	...
...	...	47°995	-24°384	0.80	44.4592	10.5	...	*	39°822	+40°485	1.00	43.4439	10.2	...	*	31°194	+51°070	1.10	43.4449	9.6	
...	...	47°745	+48°265	-5	*	39°815	+18°360	1.00	43.4438	10.4	30°070	+36°723	0.70	43.4450	10.6
...	...	47°396	-31°462	0.70	44.4593	10.4	39°512	+26°390	-5	30°011	-17°120	-5	M	...
...	...	-47°334	-14°246	-3	-39°494	+0°264	-5	α	-29°977	+40°787	0.65	43.4451	10.8
*	...	47°068	+15°370	1.00	43.4421	10.4	39°329	-0°460	-5	M	29°836	+15°317	-5
...	...	47°001	+8°381	-5	*	39°327	+2°033	2.00	43.4440	8.3	29°759	+32°491	-4
...	...	46°983	-1°548	-5	M	39°030	-17°297	0.65	44.4607	10.6	29°648	+37°407	-5
*	...	46°897	+31°765	1.05	43.4422	10.0	39°003	-14°046	-2	44.4606	10.8	29°488	-3°010	-4
81	...	-46°695	-31°657	-4	44.4595	10.8	141	...	-38°909	-5°132	-5	M	...	201	...	-29°411	+4°030	-5	...	...
...	...	46°631	-18°413	0.75	44.4596	10.5	...	...	38°866	+43°707	-5	...	...	...	...	29°393	-3°743	-3	...	...
*	...	46°505	-55°723	1.00	44.4594	10.4	...	...	38°504	+56°517	-5	...	...	...	...	29°085	+26°124	0.95	43.4452	10.4
...	...	45°984	+45°935	-5	...	...	...	†	38°451	+54°781	-5	42.4401	10.8	...	...	29°002	-7°803	-5	M	...
...	...	45°166	-51°475	-5	44.4597	10.8	...	...	38°357	+25°596	-5	...	...	...	*	28°838	-45°138	1.00	44.4620	10.2
...	...	-45°153	-23°205	-5	M	...	...	...	-37°995	+58°372	-3	42.4402	10.6	...	†	-28°792	-59°764	-5	...	...
†	...	44°984	-42°503	2.00	44.4598	8.2	...	...	37°961	-15°974	-5	M	...	...	...	28°686	+9°719	0.90	43.4453	10.2
...	...	44°878	-17°936	-5	M	...	S*	...	37°808	-49°156	3.00	44.4608	7.4	...	*	28°419	+10°437	1.00	43.4454	10.2	
...	...	44°878	-53°096	0.80	44.4599	10.4	...	...	37°558	+28°318	-4	43.4441	10.8	...	...	28°293	+52°585	0.75	43.4455	10.4
...	...	44°801	+41°063	-5	...	...	...	...	37°488	+56°800	-4	...	...	...	...	28°006	-25°682	-5	...	...
91	...	-44°798	+55°467	-5	...	...	151	...	-37°429	-7°309	-4	B	...	211	†	-27°712	-9°926	-3	44.4623	10.8
...	...	44°786	-41°841	-5	M	...	...	...	37°390	+26°125	-4	...	...	...	...	27°615	-56°430	-4	44.4622	10.8
...	...	44°614	+9°714	-2	...	...	...	...	36°953	-56°956	-5	...	...	...	...	27°384	+37°968	-3	43.4456	10.8
...	...	44°427	-32°219	-5	...	...	...	...	36°938	+10°740	-5	...	...	...	*	27°059	-4°652	1.10	43.4457	9.8
†	...	44°326	-44°461	-5	M	...	...	...	36°690	-31°761	-3	...	...	...	...	26°870	+2°819	-4	...	...
...	...	-44°245	-23°456	-5	M	...	...	...	-36°538	-6°435	-5	M	...	...	†	-26°825	-34°838	0.90	44.4624	10.4
...	...	43°880	-31°776	-5	M	...	...	...	36°455	+11°175	-5	...	...	...	...	26°790	+46°282	-5	...	...
*	...	43°865	+44°305	1.00	43.4427	10.2	...	...	36°380	-36°743	-5	...	...	...	*	26°710	-47°488	1.20	44.4625	9.3
...	...	43°816	+27°665	0.95	43.4426	10.2	...	...	36°254	+21°764	-5	...	...	...	...	26°537	+28°553	1.10	43.4458	9.6
...	...	43°665	+5°463	-2	43.4423	10.8	...	...	36°186	+44°459	-4	43.4442	10.8	...	...	26°264	-3°862	-3	43.4459	10.8
101	...	-43°657	+8°894	0.65	43.4425	10.8	161	*	-36°176	+53°287	1.80	42.4404	9.0	221	...	-26°233	+36°275	0.90	43.4460	10.8	
*	...	43°567	-2°890	1.00	43.4424	10.4	...	...	35°905	+14°490	-5	...	...	...	...	26°122	+9°870	-5	...	...
...	...	43°563	+40°545	-5	...	...	...	†	35°728	+49°921	1.40	43.4443	8.9	...	...	26°089	+18°395	-5	...	...
*	...	43°554	+25°528	1.10	43.4429	10.0	...	...	35°710	-11°892	-5	M	...	...	*	25°831	-51°562	1.10	44.4626	9.6
...	...	43°417	+12°995	0.70	43.4428	10.8	...	...	35°634	-54°430	-5	...	...	...	*	25°555	-0°830	1.00	43.4461	10.0
...	...	-43°348	+28°635	-4	...	...	...	...	-35°483	-8°437	-4	...	...	...	...	-25°521	+31°293	-4	...	...
...	...	43°334	+20°622	-5	...	...	...	*	34°869	-41°228	2.10	44.4609	8.1	...	...	25°442	+22°268	0.80	43.4462	10.4
...	...	43°298	-27°896	-5	M	...	...	...	34°839	-33°599	-5	M	...	...	...	25°306	+13°316	0.80	43.4463	10.4
*	...	42°971	+18°227	1.00	43.4430	10.2	...	...	34°683	-10°488	-5	M	...	...	*	24°471	+31°319	1.10	43.4464	9.5
...	...	42°746	-36°299	-4	...	...	...	...	34°620	+5°325	-5	...	...	...	...	24°282	-13°085	0.95	44.4627	10.5
111	S*	-42°679	+1°254	1.35	43.4431	8.9	171	...	-34°220	-46°689	0.95	44.4610	10.4	231	...	-24°185	-11°738	0.95	44.4628	10.4	
...	...	42°516	+30°139	-2	43.4433	10.8	...	...	34°030	+40°996	-3	43.4445	10.8	S*	...	23°514	-14°265	2.65	44.4629	8.0
...	...	42°418	-7°242	0.65	43.4432	10.8	...	...	33°895	+39°918	1.30	43.4444	8.8	*	...	23°483	+23°876	1.05	43.4465	10.2
...	...	42°344	+8°784	-4	...	...	...	...	33°681	-56°905	-4	44.4611	10.8	*	...	23°474	+29°733	1.00	43.4466	10.4
*	...	42°164	+8°791	1.00	43.4434	10.0	...	...	33°558	+11°765	-4	...	...	...	...	23°468	-57°798	-5	M	...
*	...	-41°988	-25°461	1.40	44.4600	9.2	...	*	-33°290	+24°293	2.30	43.4446	7.6	...	...	-22°989	-11°127	-3	...	...
...	...	41°861	+7°565	-5	...	...	...	...	33°180	+56°592	-2	42.4408	10.6	...	...	22°955	-38°535	0.95	44.4630	10.5
...	...	41°844	+57°936	-4	42.4394	10.6	...	...	32°960	+22°045	0.65	43.4447	10.8	...	...	22°848	-17°257	-5	M	...
*	...	41°632	+55°272	1.10	42.4396	9.7	...	...	32°882	+50°214	-5	...	...	...	...	22°816	-40°649	-4	...	...
...	...	41°472	+17°777	-3	...	...	...	...	32°739	-41°728	-5	...	...	...	*	22°373	-14°226	1.00	44.4631	10.4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
241-300						301-360						361-420					
241	-22.121	-52.493	-5	...	...	301	-11.057	+6.389	-2	43.4479	10.8	361	-2.868	+45.075	1.00	43.4502	10.4
...	22.083	+15.181	-5	...	...	...	11.016	-47.994	1.10	44.4640	10.0	...	2.717	-31.607	-5	M m	...
...	21.714	+56.711	0.80	42.4421	10.4	...	10.907	+31.902	-2	44.4641	10.8	...	2.540	-17.940	0.90	44.4655	10.2
...	21.394	-52.808	-5	...	...	...	10.798	+7.077	0.65	43.4480	10.8	...	1.943	+15.438	-1	43.4503	10.8
...	21.007	-6.240	-4	...	...	...	10.563	+52.270	-5	43.4481	10.8	...	1.703	+25.733	-5	...	...
...	-20.964	-22.323	0.85	44.4632	10.5	...	-10.410	+0.612	-5	z	...	...	-1.680	-39.191	-5	...	...
...	20.919	-21.425	-5	M	...	...	10.407	+15.737	-1	43.4482	10.8	S*	1.086	-24.238	2.80	43.4504	7.6
...	20.470	-21.923	-5	M	...	...	10.385	+35.433	0.70	43.4483	10.6	...	0.941	-9.814	-5	M m	...
...	20.361	+7.213	1.00	43.4467	10.4	...	10.363	-43.672	-5	...	...	...	0.832	-25.347	-5	M m	...
...	20.346	+56.436	-5	...	...	...	9.992	-2.191	-5	M	...	...	0.741	+55.155	-4	...	...
251	-20.277	-4.350	-5	M	...	311	-9.853	+17.120	0.80	43.4484	10.5	371	-0.561	-12.216	1.10	44.4656	9.9
...	20.238	-19.502	-5	M	...	...	9.643	-26.079	-5	M	...	...	0.458	+29.211	-5	m	...
...	20.117	-48.670	0.85	44.4633	10.8	...	9.571	+25.819	1.10	43.4485	9.8	...	0.313	+17.642	-5	m	...
...	19.945	+11.140	-4	43.4468	10.8	...	9.488	+26.653	-5	...	...	...	0.196	-47.366	0.65	44.4657	10.8
...	19.907	-28.676	-5	...	...	...	8.845	-11.412	1.00	44.4643	10.0	...	0.190	+16.223	-2	43.4505	10.6
...	-19.767	-18.579	0.80	44.4635	10.4	...	-8.665	+29.515	1.00	43.4486	10.0	...	+0.063	+6.322	-5	A m	...
...	19.456	+15.341	-5	...	...	...	8.591	+3.906	0.80	43.4487	10.5	...	0.147	+12.062	-4	m	...
...	19.333	-5.267	-1	43.4469	10.8	...	8.152	+48.983	-5	...	...	...	0.464	+2.458	-5	A m	...
...	19.233	+23.567	-5	...	...	...	8.067	-31.561	-4	...	...	...	0.630	-0.272	-5	M m	...
...	19.046	+54.255	-2	42.4425	10.6	...	8.040	+25.399	0.75	43.4488	10.8	...	1.164	+58.437	-5	m	...
261	-18.854	+44.785	1.10	43.4471	9.5	321	-7.355	-23.585	0.80	44.4645	10.5	381	+1.180	-3.560	-5	M m	...
...	18.841	+29.733	0.80	43.4470	10.4	...	7.082	+43.245	-5	...	...	...	1.285	-55.234	-5	...	...
...	18.752	-21.407	1.10	44.4636	9.8	...	7.012	-29.395	-5	...	...	...	1.333	-30.342	1.00	44.4659	10.2
...	18.741	+57.005	-2	42.4426	10.6	...	6.802	+21.381	1.15	43.4490	9.4	...	1.532	-15.538	-1	43.4506	10.6
...	18.639	+48.918	-5	...	...	...	6.794	+4.465	1.50	43.4489	8.9	...	1.576	-17.874	-5	...	...
...	-18.413	-13.563	-4	...	...	...	-6.768	+43.436	1.10	43.4491	10.0	...	+1.670	+46.015	-5	m	...
...	18.053	-1.780	-5	M	...	...	6.675	+5.118	-4	...	...	...	* 2.062	-12.673	1.00	44.4660	10.2
...	18.012	-13.990	-5	M	...	...	6.641	-34.215	-4	...	...	...	2.543	+18.413	-4	m	...
...	17.950	-49.120	-4	...	...	...	6.102	-50.479	1.00	44.4646	10.2	...	2.615	-53.786	-5	m	...
...	17.634	-43.165	-5	...	...	...	5.982	-17.113	0.70	44.4647	10.5	...	2.684	+34.535	-5	...	...
271	-17.291	-47.895	-5	...	...	331	-5.954	+20.722	-1	43.4492	10.8	391	+2.879	+38.615	-4	...	...
...	* 17.265	+15.105	1.35	43.4472	8.7	...	5.923	+51.830	-5	...	...	...	3.099	+23.589	-4	43.4507	10.8
...	16.276	+39.470	-5	...	...	...	5.900	+38.759	-2	...	...	...	3.204	-40.323	0.80	43.4508	10.4
...	* 16.193	-0.757	1.10	43.4473	9.5	...	5.834	-42.704	-5	M m	...	...	* 3.267	-30.552	1.05	44.4661	10.0
...	16.096	+47.465	-4	...	...	...	5.718	-0.144	-5	M m	...	...	3.310	-14.547	-5	M m	...
...	-15.963	+43.568	-5	...	...	...	-5.631	+33.965	0.95	43.4493	10.2	...	+3.545	+43.580	-5	m	...
...	15.799	-34.440	-5	...	...	...	5.453	+43.769	-4	...	...	...	3.712	+23.238	-5	m	...
...	15.693	+54.534	-4	42.4427	10.6	...	5.394	+12.593	0.70	43.4494	10.8	...	* 3.779	+3.813	1.15	43.4509	9.6
...	15.496	+36.937	0.80	43.4474	10.8	...	5.162	+17.461	0.65	43.4495	10.8	...	4.004	-27.208	-5	m	...
...	15.061	+43.456	-1	43.4475	10.8	...	5.106	+21.054	-3	m	...	...	4.969	+6.384	-3	m	...
281	-14.887	+29.108	2.00	43.4476	8.1	341	-4.898	+23.761	1.20	43.4496	9.2	401	+5.000	-4.111	-3	43.4510	10.8
...	14.462	+21.157	-5	...	...	...	4.658	+23.789	-5	m	...	...	5.044	-24.493	-5	m	...
...	14.227	-27.588	-5	...	...	...	4.654	-18.542	-5	M m	...	...	5.054	+23.218	-4	m	...
...	14.212	+42.084	-5	...	...	...	4.435	-15.228	1.00	44.4648	10.2	...	* 5.246	+52.236	1.50	43.4511	8.5
...	* 13.838	-33.999	1.00	44.4637	10.4	...	4.310	-25.788	-4	m	...	...	5.272	-33.475	-1	44.4664	10.8
...	-13.817	+35.117	-4	...	...	...	-4.255	-17.495	-5	M m	...	...	+5.327	-20.165	-3	...	...
...	13.694	+42.028	-4	...	...	...	4.132	-3.337	1.00	43.4497	10.6	...	5.909	-0.670	-4	b	...
...	13.555	-23.346	-5	M	...	...	4.045	-31.704	-5	m	...	...	6.072	+41.535	-5	m	...
...	13.455	-35.742	-5	...	...	...	3.971	+38.842	1.25	43.4498	9.3	...	6.341	-15.430	-3	a	...
...	* 13.256	+36.429	1.05	43.4477	10.0	...	3.813	-59.188	-1	44.4649	10.8	...	* 6.498	-15.470	1.05	43.4512	9.6
291	-13.148	-48.978	1.00	44.4638	10.0	351	-3.644	+15.852	-5	m	...	411	+6.498	-3.473	-3	43.4513	10.8
...	12.634	-45.917	-5	...	...	...	3.542	+31.682	0.85	43.4499	10.4	...	6.570	-38.488	-5	m	...
...	12.224	+16.448	-5	...	...	...	3.439	-24.759	-4	44.4650	10.8	...	* 6.721	-44.120	1.00	43.4514	10.0
...	12.211	-51.502	-5	...	...	...	3.337	-28.288	-4	...	...	...	6.807	-22.941	1.95	44.4605	8.1
...	12.204	+33.552	-5	...	...	...	3.268	+14.131	1.35	43.4500	8.8	...	7.464	-29.340	-5	m	...
S*	-12.126	-40.407	2.05	44.4639	8.4	...	-3.147	-4.252	-1	43.4501	10.8	...	+7.566	-22.927	-4	...	...
...	11.679	+30.669	-5	...	...	...	3.093	-26.738	-4	44.4651	10.8	...	* 7.623	-57.480	1.00	44.4606	10.2
...	* 11.608	+42.268	1.35	43.4478	8.9	...	3.071	-10.233	-4	m	...	...	7.829	+32.837	0.70	43.4515	10.5
...	11.287	-38.694	-5	...	...	...	2.950	-59.273	0.75	44.4652	10.4	...	8.501	-14.163	-1	44.4607	10.5
...	11.185	-43.316	-5	...	...	...	2.911	-22.798	0.70	44.4653	10.6	...	8.745	-23.444	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-480						481-540						541-600					
421	+ 8.778	- 41.273	- 5	...	...	481	+ 20.647	+ 20.858	- 3	43.4531	10.8	541	+ 31.337	+ 9.223	- 4	...	...
*	8.879	+ 34.466	1.00	43.4516	10.2	...	20.660	+ 27.009	- 5	...	...	...	32.101	- 22.524	- 4	...	...
*	9.177	- 55.305	1.30	44.4668	9.2	...	20.767	- 44.439	0.95	44.4676	10.4	...	32.178	- 54.813	- 5	...	...
...	9.374	- 55.370	- 5	...	...	...	20.936	- 2.669	- 5	m	...	...	32.393	+ 32.718	- 5	m	...
*	9.388	+ 1.745	3.00	43.4517	7.8	...	21.352	- 53.499	0.95	44.4677	10.2	*	32.572	+ 20.140	1.00	43.4540	10.0
...	+ 9.464	+ 36.680	- 5	m	...	...	+ 21.392	- 6.695	- 4	a	...	...	+ 32.879	- 1.158	- 5	m	...
...	9.470	- 22.031	- 4	44.4669	10.8	*	21.489	+ 56.748	1.30	42.4469	9.1	...	32.917	- 2.720	- 5	m	...
*	9.542	- 20.287	1.15	44.4670	9.3	...	21.543	- 57.725	- 2	44.4678	10.6	*	33.186	+ 23.531	1.00	43.4542	10.2
...	10.011	+ 55.020	- 4	...	...	*	21.832	+ 45.189	1.00	43.4532	10.4	*	33.240	+ 43.156	1.20	43.4541	9.3
*	10.268	- 11.595	1.10	44.4671	9.6	...	21.855	- 2.918	0.65	43.4534	10.8	*	33.314	- 23.317	1.05	44.4692	9.9
431	...	...	...	...	...	491	...	...	...	...	...	551	...	...	...	...	...
...	+ 10.301	+ 16.434	- 4	43.4518	10.8	+	+ 21.958	+ 39.883	1.35	43.4533	8.6	...	+ 33.752	- 2.425	- 5	m	...
...	10.616	- 37.378	- 5	...	...	...	22.188	- 18.828	- 1	44.4679	10.8	...	33.779	+ 31.294	0.70	43.4543	10.8
...	10.692	- 19.411	- 2	...	...	...	22.331	+ 50.884	- 4	...	...	...	33.793	- 21.941	- 5	...	...
...	10.698	+ 5.624	- 5	m	...	...	22.542	- 16.795	- 3	...	...	*	33.915	- 50.501	1.15	44.4694	9.9
...	10.718	- 14.525	- 5	m	...	...	22.601	- 23.299	- 3	44.4680	10.8	...	34.016	- 2.711	- 5	m	...
...	+ 11.081	- 20.050	- 4	b	...	...	+ 22.713	+ 8.032	- 5	m	...	...	+ 34.090	+ 4.570	- 3	...	...
...	11.096	+ 42.497	0.80	43.4519	10.5	...	22.739	- 33.413	- 5	m	...	*	34.302	+ 8.595	1.00	43.4544	9.9
...	11.513	- 33.605	- 4	...	...	*	22.770	+ 42.249	1.00	43.4535	10.2	†	34.322	- 39.819	- 5	...	...
*	11.813	- 5.776	1.00	43.4520	10.0	...	22.836	- 20.229	- 5	m	...	...	34.520	+ 23.987	- 4	a	...
...	11.902	+ 39.718	- 5	...	...	...	22.892	+ 28.780	- 1	43.4536	10.4	...	34.797	+ 12.948	0.65	43.4545	10.8
441	...	...	...	...	...	501	...	...	...	...	...	561	...	...	...	...	...
*	+ 11.945	- 6.874	1.00	43.4521	10.2	...	+ 23.005	- 55.012	- 5	...	...	...	+ 35.094	+ 11.122	- 5	m	...
...	12.228	- 20.523	- 4	...	...	...	23.714	- 23.026	- 5	m	...	...	* 35.206	- 35.215	1.50	44.4695	8.8
...	12.983	+ 6.365	- 5	m	...	...	24.173	- 45.460	- 5	...	...	...	35.227	- 3.573	- 5	m	...
...	13.062	- 22.203	- 4	...	...	...	24.453	- 32.822	- 5	...	...	...	35.347	- 8.913	- 5	m	...
*	13.457	+ 24.875	1.00	43.4522	10.2	...	24.579	+ 14.591	- 4	...	...	...	35.403	+ 30.909	0.70	43.4546	10.6
*	+ 14.416	+ 16.794	1.00	43.4523	10.2	†	+ 24.700	+ 37.038	- 5	...	...	*	+ 35.739	- 52.601	1.20	44.4696	9.4
...	14.453	+ 16.121	- 5	m	...	...	25.522	+ 2.061	- 5	m	...	...	* 36.268	- 20.937	1.20	44.4697	9.4
†	14.619	+ 44.027	- 5	m	...	...	25.673	+ 1.231	- 5	m	...	...	36.336	- 3.702	- 5	m	...
...	15.456	- 24.669	- 5	m	...	...	25.879	- 7.689	- 3	...	...	...	36.562	+ 31.247	- 3	...	...
...	15.883	- 16.541	- 5	m	...	*	26.043	- 49.303	1.00	44.4681	10.2	...	36.631	- 34.041	- 4	...	...
451	...	...	...	...	...	511	...	...	...	...	...	571	...	...	...	...	...
...	+ 15.916	+ 23.720	0.90	43.4524	10.4	...	+ 26.476	- 32.992	- 5	m	...	*	+ 36.806	+ 37.797	1.10	43.4547	10.0
...	16.019	+ 28.723	- 4	...	...	...	26.553	+ 55.384	- 5	m	...	...	37.126	+ 38.268	0.90	43.4548	10.4
...	16.112	+ 15.540	- 4	...	...	*	26.564	- 50.886	1.00	44.4682	10.2	...	37.480	+ 47.592	- 1	43.4549	10.8
...	16.575	+ 29.394	0.80	43.4525	10.6	...	26.717	- 16.926	- 4	...	...	*	37.926	+ 16.991	1.00	43.4550	10.6
...	16.575	+ 1.100	- 5	m	...	*	26.913	+ 58.770	1.10	42.4480	9.9	...	38.113	- 7.256	- 5	m	...
...	+ 17.209	- 43.650	- 5	...	...	...	+ 26.976	- 14.059	0.95	44.4683	10.0	...	+ 38.122	+ 23.090	- 3	...	...
...	17.364	+ 9.832	- 5	m	...	*	27.291	- 21.286	1.10	44.4684	9.6	...	38.125	+ 47.595	- 3	43.4551	10.8
*	17.543	+ 24.427	1.00	43.4526	10.2	...	27.678	+ 38.578	- 5	...	...	...	38.236	+ 36.544	- 5	m	...
...	17.671	+ 54.665	- 5	...	...	...	27.699	+ 32.639	- 4	...	...	...	38.961	- 37.365	- 1	44.4699	10.8
*	17.829	+ 56.875	1.05	42.4467	9.8	...	27.729	+ 23.093	- 5	m	...	...	39.508	- 7.773	- 5	m	...
461	...	...	...	...	...	521	...	...	...	...	...	581	...	...	...	...	...
...	+ 18.054	- 43.037	- 5	...	...	...	+ 27.971	- 12.647	0.70	44.4685	10.5	†	+ 39.616	+ 7.087	1.05	43.4553	10.2
...	18.076	+ 17.906	- 4	b	...	...	28.155	- 10.155	- 5	m	...	*	39.770	+ 58.912	1.10	42.4497	9.4
...	18.156	- 31.083	0.65	44.4674	10.8	*	28.411	- 19.709	1.00	44.4686	10.0	...	39.928	+ 46.341	- 2	43.4552	10.6
...	18.352	+ 27.117	- 5	m	...	...	28.850	+ 32.005	- 5	...	...	...	40.059	+ 8.019	- 5	m	...
...	18.623	- 29.542	- 3	...	...	...	29.003	+ 31.650	- 4	...	...	...	40.327	- 53.782	- 4	...	...
*	+ 18.699	- 2.368	1.00	43.4527	10.4	...	+ 29.092	+ 29.633	- 2	43.4537	10.8	...	+ 41.209	+ 19.431	- 5	m	...
n*	18.774	+ 15.543	1.10	43.4528	8.9	...	29.264	- 57.091	- 2	44.4688	10.5	...	41.551	- 39.456	- 5	...	...
...	18.842	+ 15.436	- 4	...	...	...	29.309	+ 1.221	- 5	m	...	...	41.568	- 9.706	- 5	m	...
...	18.857	- 50.250	- 1	...	...	†	29.702	- 49.637	- 5	...	...	...	42.017	+ 32.456	- 5	m	...
...	18.946	- 35.408	- 3	...	...	†	29.755	- 47.947	0.65	44.4689	10.5	*	42.113	+ 24.381	1.20	43.4554	9.9
471	...	...	...	...	...	531	...	...	...	...	...	591	...	...	...	...	...
S n*	+ 19.049	+ 15.493	1.20	43.4528	8.9	...	+ 29.924	+ 12.425	- 5	m	...	*	+ 42.178	- 20.548	1.00	44.4700	10.2
...	19.081	- 1.130	- 5	m	...	*	29.957	+ 16.536	1.00	43.4538	10.0	*	42.243	- 5.799	1.00	43.4556	10.2
*	19.172	- 4.366	1.30	43.4529	9.0	...	30.216	- 53.411	- 5	...	...	...	42.300	+ 8.201	- 5	m	...
...	19.390	+ 3.416	- 5	m	...	...	30.365	+ 33.147	- 5	m	...	...	42.653	+ 51.386	- 5	...	...
...	19.489	- 3.241	- 5	m	...	S*	30.395	+ 43.475	1.15	43.4539	9.9	...	42.679	+ 56.211	- 5	42.4502	10.6
...	+ 19.523	+ 31.703	- 5	m	...	...	+ 30.495	- 9.670	- 4	44.4690	10.8	...	+ 42.874	- 40.137	- 5	m	...
...	19.930	- 23.931	- 5	m	...	...	30.581	- 31.871	- 5	...	...	...	43.018	+ 46.625	- 2	43.4555	10.5
...	20.083	- 51.025	- 4	...	...	...	30.738	- 54.839	- 5	...	...	...	43.165	+ 25.418	- 5	m	...
...	20.247	+ 10.439	0.90	43.4530	10.4	...	30.790	- 39.549	0.70	44.4691	10.6	*	43.375	- 56.924	1.10	44.4702	9.6
...	20.392	+ 24.308	- 5	...	...	...	31.104	- 43.424	- 5	...	...	*	43.400	- 0.892	1.00	43.4557	10.4

467, 471. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
601-630						631-660						661-678					
601	+43.457	+13.467	-5	m	...	631	+49.166	+30.625	-4	...	...	661	+55.275	-2.834	-5	e	...
...	43.914	+9.988	-5	...	...	...	49.199	+26.816	0.80	43.4564	10.4	...	55.591	-15.076	-5	...	...
...	43.940	-46.458	-5	...	...	...	49.400	-15.905	0.75	44.4713	10.5	*	56.019	-16.970	1.00	44.4717	10.2
...	43.952	-14.371	-4	...	...	...	49.526	-52.032	-1	44.4714	10.2	*	56.453	+18.703	1.10	43.4572	10.0
*	44.274	+7.095	1.00	43.4558	10.0	...	49.816	-14.273	-5	...	...	...	56.932	-8.305	-5	...	...
...	+44.292	-43.885	-5	...	...	*	+50.300	-48.164	1.00	44.4715	10.2	...	+57.036	+1.929	0.65	43.4574	10.6
...	44.407	+41.894	-5	...	...	...	50.320	-41.905	-5	...	...	S†	57.156	+5.042	1.20	43.4573	9.5
...	44.504	+44.511	-5	m	...	...	50.381	-55.716	-5	...	...	...	58.330	-21.902	-5	m	...
...	44.520	+17.894	0.70	43.4559	10.6	*	50.613	+19.244	1.00	43.4565	10.2	...	58.426	+8.362	-5	m	...
†	44.723	-57.070	1.90	44.4703	8.8	...	50.941	-11.811	-5	...	...	...	58.451	-24.797	-5	...	...
611	...	...	...	...	...	641	...	...	...	...	...	671	...	...	...	...	...
*	+44.758	+0.895	1.00	43.4560	10.4	...	+51.020	-27.876	-5	...	...	...	+58.764	-57.582	0.90	44.4722	10.2
...	44.828	-26.523	-5	...	...	...	51.072	+2.366	-5	m	...	...	58.783	-12.342	0.70	44.4719	10.5
...	45.217	-6.000	-4	a	...	...	51.135	+48.816	-2	43.4566	10.4	*	58.982	-24.289	1.10	44.4721	10.0
...	45.227	-42.401	-3	44.4704	10.8	...	51.669	-37.090	-5	...	...	...	59.015	-25.499	-4	...	...
...	45.660	+22.501	-1	43.4561	10.8	†	52.116	+0.118	-4	...	...	...	59.079	-12.350	-5	e	...
*	+45.759	-50.978	1.00	44.4705	10.2	...	+52.126	+51.331	-5	43.4567	10.8	*	+59.133	-14.546	1.10	44.4720	10.0
...	46.030	-42.984	-3	44.4706	10.6	...	52.214	-43.203	-4	...	...	...	59.208	-7.609	0.70	43.4575	10.8
...	46.112	+7.258	-4	...	...	...	52.248	-11.004	-5	e	...	...	59.353	-4.778	-5	...	...
*	46.852	+26.533	1.05	43.4563	10.0	...	52.281	+17.627	0.65	43.4569	10.8	...	...	...	...	...	...
†	46.919	+45.003	-5	43.4562	10.8	...	52.391	-29.023	-5	...	...	...	...	...	...	...	...
621	...	...	...	...	...	651	...	...	...	...	...	...	...	...	...	...	...
...	+46.922	-28.655	-4	...	...	...	+52.558	+39.916	-3	43.4568	10.5	...	...	...	...	...	...
...	47.080	-15.663	-1	44.4707	10.8	...	52.609	-21.429	-5	...	...	...	...	...	...	...	...
S†	47.384	-44.830	1.25	44.4709	9.3	...	52.857	-52.555	-5	...	...	...	...	...	...	...	...
*	47.471	-30.463	1.05	44.4708	9.9	...	53.769	+3.417	0.80	43.4571	10.6	...	...	...	...	...	...
...	48.474	+11.610	-3	...	...	...	53.800	+44.000	-5	43.4570	10.8	...	...	...	...	...	...
*	+48.658	-25.200	1.25	44.4710	9.5	...	+54.252	-16.866	-4	...	...	...	...	...	...	...	...
...	48.676	-40.932	-5	...	...	†	54.283	+0.090	-4	...	...	...	...	...	...	...	...
†	48.738	-54.608	1.30	44.4712	9.6	†	54.685	-21.474	-4	...	...	...	...	...	...	...	...
...	48.993	+6.081	-4	...	...	...	54.706	+41.197	-4	...	...	...	...	...	...	...	...
S*	49.126	-26.560	1.20	44.4711	9.5	...	54.727	-10.855	-5	...	...	...	...	...	...	...	...

1-20						21-40						41-60					
...	-59.797	+11.441	-4	...	...	21	-56.052	-27.951	-5	...	...	41	-51.379	-16.895	1.00	44.4717	10.2
...	59.682	+30.461	-5	...	...	†	55.799	+0.074	-5	...	...	S*	50.908	+5.151	1.15	43.4573	9.5
...	59.537	+26.657	0.70	43.4564	10.4	...	55.446	+43.972	-5	43.4570	10.8	...	50.906	+31.777	-5	...	...
*	59.516	-30.642	1.15	44.4708	9.9	...	55.332	-11.049	-5	E	...	...	50.833	-1.836	-2	43.4574	10.6
S*	59.173	-45.015	1.25	44.4709	9.3	...	55.135	-37.132	-5	...	...	...	50.746	+40.862	-5	...	...
...	-59.119	+5.917	-5	...	...	...	-54.655	-21.463	-5	...	...	...	-50.740	-8.209	-4	...	...
*	58.488	-25.352	1.30	44.4710	9.5	...	54.653	-29.063	-5	...	...	...	50.273	+22.027	-5	M	...
...	58.244	+48.691	-2	43.4566	10.4	...	54.447	+41.189	-5	...	...	†	50.218	+24.900	-5	...	...
...	58.026	-16.038	0.90	44.4713	10.5	...	54.389	-43.242	-5	...	...	...	49.765	+8.471	-5	M	...
S*	57.975	-26.694	1.30	44.4711	9.5	...	54.257	+3.403	0.90	43.4571	10.6	...	49.502	-18.329	-5	M	...
11	...	...	...	...	...	31	...	...	...	...	...	51	...	...	...	...	...
*	-57.877	+19.123	1.00	43.4565	10.2	†	-53.647	+0.120	-3	...	...	*	-48.765	-12.194	1.00	44.4719	10.5
...	57.671	-14.387	-5	...	...	...	53.166	-16.855	-4	...	...	...	48.692	-22.398	-5	M	...
†	57.514	-54.729	1.30	44.4712	9.6	...	52.838	-10.823	-4	...	...	...	48.684	+22.517	-4	43.4576	10.8
...	57.338	+51.255	-5	43.4567	10.8	...	52.600	-21.436	-3	...	...	...	48.482	-7.453	0.80	43.4575	10.8
...	56.804	-52.142	-3	44.4714	10.2	...	52.567	-2.802	-5	E	...	...	48.455	-12.191	-5	E	...
...	-56.615	-11.901	-5	...	...	...	-52.499	-33.834	-5	...	...	...	-48.436	-4.623	-5	...	...
...	56.560	+39.843	-3	43.4568	10.5	*	52.027	+18.770	1.10	43.4572	10.0	...	48.349	-14.379	1.10	44.4720	10.0
...	56.314	-41.999	-5	...	...	...	51.874	-15.035	-5	...	...	*	48.315	+10.525	1.00	43.4577	10.5
...	56.188	+17.557	-2	43.4569	10.8	...	51.706	+41.060	-5	...	...	*	48.198	-24.128	1.10	44.4721	10.0
...	56.147	-48.252	0.90	44.4715	10.2	...	51.613	+24.524	-5	M	...	...	48.122	-25.348	-5	...	...

SB measured from 1, 48, 218, 333, 446, 568.
 E " " " 49, 164, 200, 385, 511, 628.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
61-120						121-180						181-240						
61	-48°083	+4°360	0.90	43.4578	10.6	121	-36°812	-31°375	1.10	44.4732	9.6	181	-26°169	+17°321	-4	...	...
...	48°003	+35°846	-5	...	...	...	36°425	-2°360	-4	...	...	...	26°068	+37°860	-4	...	...
...	47°905	-0°067	-5	F	...	...	36°351	-17°360	-5	...	...	...	* 26°044	-41°512	1.00	44.4746	10.6	
*	47°780	+11°192	1.00	43.4579	10.4	...	36°337	-2°136	-3	...	...	...	* 26°018	-1°032	1.10	43.4609	9.8	
...	47°395	-57°414	0.95	44.4722	10.2	...	36°147	-22°610	-5	M	...	...	...	26°016	+34°904	-3	...	...
*	-47°346	-22°445	1.00	44.4723	10.4	...	-35°837	+42°308	0.70	43.4594	10.4	...	* 25°982	-0°238	1.10	43.4608	9.8	
...	47°216	-31°618	-5	...	...	*	35°782	-22°541	1.00	44.4733	10.0	...	† 25°888	+20°083	-4	...	...
†	47°077	+0°098	-3	43.4580	10.8	...	* 35°749	+38°826	0.90	43.4595	10.4	...	...	25°885	-3°195	-4	A	...
...	46°663	+2°545	0.65	...	...	*	35°723	-19°201	1.00	44.4734	10.0	...	...	25°788	+13°716	-4	...	...
...	46°611	+7°472	-5	M	...	...	35°600	-14°749	-4	...	...	...	*	25°662	-5°037	1.10	43.4610	10.2
71	-46°464	-3°041	-5	M	...	131	-35°243	-22°203	-3	...	...	191	-25°642	+21°026	-5	...	...
*	45°644	-6°290	1.00	43.4581	10.8	...	35°011	-17°322	-1	44.4735	10.8	...	* 25°379	+46°307	1.10	43.4611	10.0	
...	45°313	-21°614	-5	...	...	...	34°974	-0°828	-5	M	...	...	* 24°783	+30°992	1.00	43.4612	10.4	
...	44°988	+45°692	-4	43.4582	10.6	*	34°756	+21°870	1.00	43.4596	10.4	...	...	24°656	+30°711	-4	...	...
...	44°639	-13°110	-5	M	...	...	34°617	+49°576	-5	...	...	...	...	24°653	-3°543	-5	M	...
...	-44°629	-7°870	-5	...	...	...	-34°455	+8°690	0.65	43.4597	10.8	...	...	-24°616	+8°626	-5	M	...
...	44°541	+32°978	-5	M	...	...	34°418	+4°417	-3	...	...	...	...	24°520	-0°768	-3	...	...
...	44°473	+3°507	-5	M	...	...	33°345	-23°605	-3	...	...	...	*	24°203	+10°217	1.20	43.4613	9.5
*	44°211	+9°631	1.00	43.4583	10.8	...	34°083	+20°337	-5	M	...	...	...	24°035	-16°164	0.65	44.4747	10.8
...	44°198	-49°259	-5	...	...	...	34°040	-30°749	-5	...	...	...	...	23°966	+20°667	-5	M	...
81	-43°994	-2°956	-5	M	...	141	-33°934	+38°121	1.50	43.4598	8.8	201	-23°944	+17°290	-5	M	...	
...	43°751	-22°555	-5	M	...	...	33°865	-4°584	-4	...	...	*	23°869	+33°005	1.10	43.4614	10.0	
*	43°437	+15°823	1.00	43.4584	10.4	...	33°270	-8°382	-5	M	...	...	...	22°899	+45°242	0.90	43.4615	10.6
...	43°347	-45°363	1.05	44.4725	10.2	...	33°184	-22°006	-5	...	...	...	...	22°891	-2°065	-5	M	...
...	43°269	-30°951	-5	...	...	...	32°959	+15°275	0.65	43.4599	10.6	*	22°757	-42°472	1.00	44.4748	10.2	
*	-42°866	+5°487	1.00	43.4585	10.4	*	-32°940	+33°951	1.05	43.4600	10.0	...	...	-22°650	+4°917	-5	M	...
...	42°862	-14°174	-5	M	...	...	32°831	-44°098	-3	...	...	...	...	22°530	+9°976	-3	...	...
...	42°675	-35°749	-5	...	...	...	32°720	-45°230	0.65	44.4739	10.4	...	...	22°293	+8°661	-5	...	...
*	42°493	-15°486	1.00	44.4726	10.4	*	32°707	-51°229	1.05	44.4738	10.0	...	...	22°146	-13°699	1.00	44.4749	10.8
...	42°220	+21°498	-5	M	...	...	32°623	+25°243	-5	...	...	...	...	21°564	-0°799	-3	43.4616	10.8
91	-42°029	-3°519	-5	M	...	151	-32°597	+46°074	-5	...	...	211	-21°484	+23°697	-5	M	...	
...	41°487	-9°049	0.75	44.4727	10.6	*	32°524	+16°543	1.00	43.4601	10.4	...	...	21°294	+33°223	-5	M	...
...	41°473	-7°350	-3	...	...	...	32°275	-33°464	-5	...	...	...	...	21°270	-49°097	-5	...	...
...	41°239	-10°627	-5	M	...	*	32°122	+10°698	1.00	43.4602	10.4	*	20°812	-49°622	2.00	44.4750	8.1	
...	40°886	-45°742	-5	...	...	...	31°387	-2°293	2.40	43.4603	7.8	...	...	20°696	-10°314	-4	...	...
...	-40°733	+43°277	-5	...	...	...	-31°340	-49°659	-5	...	...	...	...	-20°674	-20°344	-1	...	...
†	40°192	+35°126	1.00	43.4586	10.2	...	31°294	-0°967	-5	M	...	...	...	20°330	+11°850	-5	M	...
...	39°934	+31°489	-3	...	...	...	31°125	+18°162	-4	...	...	...	...	20°023	-44°210	-3	...	...
...	39°809	+1°334	-5	M	...	...	31°125	-0°350	-5	M	...	...	...	19°842	+53°707	0.90	42.4558	10.4
*	39°646	-56°405	1.20	44.4728	10.0	...	30°931	+27°604	-5	...	...	...	...	19°347	+11°282	0.65	43.4617	10.4
101	-39°607	+1°695	-1	43.4587	10.6	161	-30°566	-5°442	1.00	43.4604	10.4	221	-19°119	+48°677	-3	43.4619	10.8	
...	39°360	+16°075	-3	...	...	...	30°411	-42°657	-5	...	...	*	19°058	-35°830	1.00	44.4751	10.0	
...	39°240	+56°229	0.80	42.4532	10.2	...	30°273	+21°422	-3	...	...	*	18°991	+57°385	1.30	42.4561	9.0	
*	39°238	-19°334	1.40	44.4729	8.7	...	29°907	+20°666	-4	...	...	...	...	18°980	+50°491	-3	43.4618	10.8
*	39°163	+50°115	1.00	43.4588	10.0	...	29°831	-44°460	-5	...	...	*	18°723	+47°888	1.00	43.4620	10.2	
*	-39°102	-22°202	1.10	44.4730	9.8	*	-29°598	-11°915	1.10	44.4741	10.0	...	...	-18°558	+29°137	-2	...	...
S*	38°912	-26°584	1.23	44.4731	9.0	...	29°453	+24°800	-5	M	...	...	...	18°501	+11°725	-5	M	...
...	38°811	-47°114	-5	...	...	*	29°415	+18°820	1.05	43.4605	10.2	...	...	18°388	+12°881	-3	...	...
...	38°803	+34°120	-5	...	...	...	29°214	+27°307	-4	...	...	...	...	18°181	-20°482	-1	44.4753	10.6
...	38°707	+25°580	0.90	43.4589	10.4	...	28°685	-31°456	-3	44.4743	10.8	...	...	17°482	+48°522	0.65	43.4621	10.8
111	-38°543	-49°831	-5	...	...	171	-28°359	+31°177	-5	M	...	231	-17°048	-15°419	-2	44.4754	10.8	
...	38°264	+38°784	-5	...	...	...	28°124	+7°486	1.00	43.4606	10.4	*	16°933	+44°176	1.00	43.4622	10.6	
...	37°989	+20°082	-5	M	...	...	28°024	+20°335	-4	...	...	...	...	16°808	+20°646	-3	...	...
...	37°967	-38°988	-5	...	...	...	28°019	-26°061	-5	M	...	...	...	16°681	-22°445	-5	...	...
*	37°921	-5°341	1.05	43.4590	10.0	...	27°227	-59°489	-5	...	...	...	...	16°479	+33°408	-5	M	...
...	-37°814	+39°821	0.90	43.4591	10.4	*	-27°225	+16°641	1.00	43.4607	10.6	...	...	-16°454	-25°517	-4	...	...
...	37°745	-34°377	-4	...	...	...	27°162	-54°383	-4	44.4744	10.6	...	...	16°405	+57°983	-1	42.4567	10.4
...	37°385	+44°601	-3	43.4593	10.8	...	26°811	+6°265	-5	M	...	*	...	15°899	-4°530	1.35	43.4623	9.4
*	37°181	+10°923	1.05	43.4592	10.2	...	26°680	+42°857	-5	...	...	...	...	15°737	+43°315	-2	43.4624	10.8
...	37°099	+58°921	0.90	42.4535	10.0	...	26°207	+25°929	-5	...	...	...	...	14°965	+22°711	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
241-300						301-360						361-420					
241	-14.952	+17.344	-5	M	...	301	-4.303	-43.177	-5	Mm	...	361	+4.415	+38.352	-3	...	...
S*	14.800	-57.943	1.80	44.4757	8.9	...	4.182	-16.146	-5	Mm	...	...	4.571	+3.304	-3	Bm	...
...	14.163	+19.817	-4	...	...	...	3.534	+35.906	-3	...	...	...	4.627	-42.499	-5	...	...
...	13.809	+46.023	-4	...	...	αm	3.364	+0.486	0.80	43.4637	10.6	†	4.733	-48.126	-5	44.4786	10.8
...	13.604	+17.208	-5	...	...	...	3.309	-32.701	-2	44.4771	10.8	*	5.041	+28.229	1.00	43.4646	10.2
...	-13.360	-40.422	-2	44.4758	10.6	*	-3.144	+7.581	1.05	43.4638	10.2	...	+5.494	-9.544	-5	Mm	...
...	13.294	-35.057	-4	...	...	...	2.927	-58.687	-2	...	...	*	5.771	-46.528	1.00	44.4787	10.0
...	13.244	-7.467	-4	A	...	†	2.849	+54.935	1.00	42.4583	10.6	...	6.515	-1.971	-5	m	...
...	13.145	+51.098	-5	...	...	...	2.806	-49.217	-5	...	...	†	6.580	-59.622	-5	M	...
...	12.779	+22.383	-4	...	...	*	2.697	+12.794	1.00	43.4639	10.2	...	6.705	+44.415	-4	...	...
251	-12.715	+11.933	1.00	43.4625	10.0	311	-2.616	-39.945	-5	...	...	371	+6.712	+38.709	-5	m	...
...	12.415	-42.858	0.90	44.4759	10.4	...	2.574	+11.730	-4	Am	...	...	6.786	+1.671	-2	43.4648	10.8
...	12.345	+4.817	-5	M	...	...	2.543	+58.927	-4	42.4584	10.6	...	6.808	+33.699	0.70	43.4647	10.8
...	12.290	-36.535	-4	44.4760	10.8	...	2.534	-41.093	-5	M	...	*	7.001	+57.701	1.10	42.4593	9.9
...	12.268	+19.581	-4	43.4626	10.8	...	2.498	-28.172	-5	Mm	...	...	7.727	+2.335	-5	M	...
...	-11.699	-11.833	-3	...	...	...	-2.318	+38.420	0.75	43.4640	10.8	*	+8.030	+41.577	1.10	43.4649	9.6
...	11.608	+11.474	-4	...	...	*	1.765	-28.687	1.10	44.4772	10.0	*	8.032	-33.792	1.30	44.4788	8.8
...	11.179	-36.044	1.00	44.4761	10.2	...	1.534	+12.752	-5	Mm	...	...	8.050	+47.675	-5	m	...
...	10.877	+33.618	-4	...	...	...	1.521	+36.825	-3	...	...	...	8.795	+16.896	-5	m	...
...	10.222	+15.387	-5	...	...	...	1.454	-34.411	-5	m	...	...	8.875	+56.899	-5	...	...
261	-10.075	-46.065	-5	...	...	321	-1.376	-18.215	1.10	44.4773	10.0	381	+8.912	+23.400	-3	43.4650	10.8
...	10.045	-22.375	-4	44.4762	10.8	...	1.325	-10.038	-5	Mm	...	*	9.039	+37.730	1.30	43.4651	9.2
...	10.023	+30.942	1.10	43.4627	10.2	...	1.272	+44.907	-5	Mm	...	...	9.357	+36.903	-5	m	...
...	9.984	+13.346	1.00	43.4628	10.4	*	1.232	-27.320	1.10	44.4774	9.9	...	9.395	+0.545	-4	b	...
...	9.739	+15.009	-5	M	...	...	1.137	-20.514	-5	m	...	*	9.871	+15.829	1.00	43.4652	10.2
...	-9.674	+52.672	-5	...	...	...	-0.987	+14.282	-5	Mm	...	...	+10.190	+0.647	-3	b	...
...	9.482	+25.787	-5	M	...	...	0.945	+39.321	-5	Mm	...	...	10.212	+47.336	-5	m	...
...	9.449	-15.483	1.00	44.4763	10.2	†	0.937	-54.698	0.90	44.4775	10.4	...	10.213	-40.851	-3	...	...
...	9.258	+30.833	1.10	43.4629	10.2	...	0.445	-21.498	-5	Mm	...	...	10.274	+20.199	-5	m	...
...	9.038	+47.884	-4	...	...	*	0.406	-16.884	1.00	44.4777	10.2	*	10.565	-17.080	1.00	44.4790	10.2
271	-8.682	+43.600	-5	...	...	331	-0.343	-52.124	-2	44.4778	10.8	391	+10.582	+30.428	-3	...	...
...	8.427	+48.885	-3	43.4631	10.8	S†	0.338	+28.101	2.30	43.4641	7.6	...	10.703	+42.947	-5	m	...
...	8.375	+7.676	-5	M	...	...	0.156	+39.398	-5	Mm	...	*	10.931	-50.919	1.00	44.4791	10.2
...	8.280	+19.163	-5	M	...	...	-0.052	+3.046	-3	43.4642	10.8	...	11.020	-47.086	-5	...	...
...	8.225	+8.139	-1	43.4630	10.8	...	+0.072	+46.629	-5	Mm	...	...	11.176	+31.007	-3	...	...
...	-8.199	+40.253	1.10	43.4632	10.0	...	+0.650	+1.730	-4	Bm	...	...	+11.254	+8.750	-5	m	...
...	8.047	+10.617	-5	M	...	*	1.067	-41.890	1.00	44.4779	10.0	*	11.643	+43.645	1.20	43.4653	9.9
...	7.775	+13.232	-5	M	...	...	1.150	-1.470	-5	Mm	...	...	11.732	+36.939	-5	m	...
S*	7.553	-14.487	2.00	44.4764	8.4	†	1.268	-4.920	0.80	43.4645	10.4	...	11.738	+38.277	-5	m	...
...	7.540	+22.422	1.20	43.4633	9.6	...	1.281	-41.548	-4	...	...	...	12.042	+48.919	-4	...	...
281	-7.316	+22.795	1.40	43.4634	9.2	341	+1.473	+27.851	-1	43.4644	10.6	401	+12.273	-50.209	-5	...	...
...	7.243	-57.797	-5	...	...	*	1.623	+18.342	1.00	43.4645	10.0	...	12.551	-44.299	-4	...	...
...	7.223	-10.370	-4	...	...	*	1.905	-20.213	1.00	44.4780	10.4	...	12.679	-40.295	-5	...	...
...	7.205	-55.863	-5	...	...	...	1.906	-20.555	-4	M	...	...	12.837	-40.202	-5	...	...
...	6.842	+49.590	1.20	43.4635	9.6	...	2.159	-35.677	-5	M	...	...	12.855	+15.259	-3	a	...
...	-6.450	+33.547	-5	M	...	...	+2.243	-42.137	-5	...	...	...	+12.917	-44.013	0.75	44.4792	10.4
...	6.428	-57.042	-5	m	...	...	2.455	+10.553	-4	Am	...	...	12.990	+24.129	-2	...	...
...	6.398	-44.068	0.80	44.4765	10.8	...	2.498	-20.456	-3	44.4781	10.6	...	13.078	+51.709	-2	43.4654	10.8
...	6.256	-43.900	0.70	44.4766	10.8	...	2.651	-57.135	0.70	44.4783	10.4	...	13.102	-22.925	0.65	44.4793	10.6
...	5.586	+57.092	-5	...	...	...	2.852	+10.566	-4	M	...	...	13.185	+29.576	-4	...	...
291	-5.569	-42.376	-4	...	...	351	+2.901	-36.461	-2	44.4782	10.8	411	+13.270	-10.802	-5	m	...
...	5.460	-12.294	-5	Mm	...	*	3.116	-56.629	1.50	44.4784	8.8	...	13.335	+0.280	-5	m	...
...	5.218	+33.585	-4	...	...	...	3.382	+33.413	-5	Mm	...	...	13.393	+47.752	-5	m	...
...	4.807	+38.064	0.75	...	...	...	3.573	+9.584	-4	Am	...	...	13.549	-38.807	-3	...	...
...	4.796	-24.364	1.20	44.4768	9.3	...	3.575	-20.444	-5	Mm	...	*	13.598	-47.426	1.35	44.4795	9.2
S*	-4.726	+15.832	2.45	43.4636	7.4	...	+3.782	-8.013	-4	M	...	...	-13.600	-7.061	-5	m	...
...	4.690	-48.709	1.10	44.4769	10.0	...	3.933	+38.814	-4	m	...	...	13.620	-36.193	1.05	44.4794	10.0
...	4.621	+28.463	-5	Mm	...	...	4.042	+56.650	-5	m	...	S*	13.728	-40.446	2.00	44.4796	8.4
...	4.431	-16.796	0.70	44.4770	10.6	...	4.183	-36.648	-4	...	...	...	13.786	-19.073	-5	m	...
...	4.373	+13.909	-5	Mm	...	...	4.390	-51.299	-3	...	...	*	14.227	+30.533	1.00	43.4655	10.4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.												
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	x.	y.	No.	Mag.							
421-480						481-540						541-600																
421	...	+14.425	-37.589	-5	...	...	...	...	...	...	...	481	...	+24.937	-18.262	-2	44.4813	10.8	541	...	+35.159	-2.873	1.00	43.4677	10.2			
...	...	14.436	+30.946	-1	...	...	...	...	...	...	...	...	...	24.975	+41.285	-5	m	...	...	...	35.184	+14.705	1.00	43.4676	10.4			
...	...	14.509	+31.157	-3	43.4656	10.8	...	...	...	...	...	...	...	25.183	-40.277	1.30	44.4814	8.9	...	...	35.189	-34.215	-4	...	...	
†	...	14.716	-55.850	-5	...	...	...	...	...	...	...	...	...	25.363	-17.103	-4	...	...	...	...	35.266	-20.021	-5	...	...	
...	...	15.100	+45.878	-5	m	...	...	...	...	...	...	...	...	25.919	-28.075	0.90	44.4815	10.5	...	...	35.454	+0.979	1.10	43.4678	10.0			
...	...	+15.132	-9.647	-5	m	...	...	...	...	...	...	...	...	+26.014	+5.533	-5	m	...	...	...	+	36.013	-0.405	1.40	43.4680	9.0		
...	...	15.241	+18.648	-1	43.4657	10.8	...	...	...	...	...	...	...	26.293	+34.655	-5	...	...	...	...	...	36.109	+6.008	-5	m	...		
...	...	15.421	+36.449	-5	m	...	...	...	...	...	...	...	...	26.304	+44.158	1.00	43.4667	10.5	...	...	...	36.145	-44.762	-5	...	...
...	...	15.671	+31.744	-4	...	...	...	...	...	...	...	...	...	26.332	-46.421	1.05	44.4816	10.2	...	...	...	36.556	+49.888	-3	43.4679	10.8		
...	...	16.435	+12.652	-5	m	...	...	...	...	...	...	...	...	26.408	+31.439	-3	...	...	...	...	...	36.736	-48.858	1.30	44.4835	9.3		
431	...	+16.539	+20.821	-4	a	...	...	...	...	...	...	491	...	+26.509	-43.100	-3	44.4817	10.8	551	...	+37.128	+9.883	2.50	43.4681	7.6			
...	...	16.652	+36.840	1.00	43.4658	10.2	...	...	...	...	...	...	...	26.550	-49.004	-5	...	...	...	...	...	37.140	+1.044	1.00	43.4683	10.4		
*	...	16.967	+48.140	1.10	43.4659	10.0	...	...	...	...	...	...	...	26.581	-17.124	-5	...	...	...	...	...	37.159	+26.195	-5	m	...		
...	...	16.996	-1.158	-5	m	...	...	...	...	...	...	...	...	26.603	-57.273	1.00	44.4819	10.2	...	...	...	37.205	+15.790	1.20	43.4682	9.4		
*	...	17.042	-9.336	1.10	44.4797	10.0	...	...	...	...	...	...	...	27.334	+12.913	-4	m	...	...	...	...	...	37.413	+26.277	-4	...	...
†	...	+17.106	-39.760	1.05	44.4798	10.2	...	...	...	...	...	...	...	+27.413	-36.854	-5	...	...	...	...	...	+	37.420	-41.082	-3	...	...
...	...	17.173	-4.583	-5	m	...	...	...	...	...	...	...	...	27.450	+7.242	-4	m	...	...	...	...	...	37.764	-46.111	1.40	44.4837	9.0	
*	...	17.289	-25.415	1.05	44.4799	10.2	...	...	...	...	...	...	...	27.476	-22.515	-5	...	...	...	...	...	...	37.875	-35.485	2.20	44.4836	8.0	
...	...	17.422	-1.525	-4	...	...	...	...	...	...	...	...	...	27.483	+15.269	-3	...	...	...	...	...	...	37.883	+28.490	1.00	43.4684	10.6	
...	...	17.757	-27.745	0.70	44.4800	10.5	...	...	...	...	...	...	...	27.492	-29.154	-5	m	...	...	...	...	...	38.002	+18.109	-1	...	...
441	...	+18.042	-9.382	-5	m	...	...	...	...	...	...	501	...	+27.626	-12.095	0.70	44.4820	10.6	561	...	+38.076	-41.157	-5	...	...	
...	...	18.453	+9.720	1.00	43.4660	10.4	...	...	...	...	...	...	...	28.020	-11.949	-3	44.4821	10.8	...	...	...	38.104	-50.096	1.30	44.4838	9.3		
*	...	18.635	-30.536	1.10	44.4801	10.0	...	...	...	...	...	...	...	28.036	-33.152	-5	...	...	...	...	...	...	38.268	+32.488	-3	43.4685	10.8	
...	...	18.849	-21.322	-3	...	...	...	...	...	...	...	...	...	28.095	-25.103	-5	...	...	...	...	...	...	38.954	+12.396	1.20	43.4686	9.3	
...	...	19.277	+23.935	-4	a	...	...	...	...	...	...	...	...	28.215	-10.474	-5	...	...	...	...	...	...	39.065	-22.908	-3	44.4839	10.8	
*	...	+20.063	+9.018	1.05	43.4661	9.9	...	...	...	...	...	...	...	+28.621	+12.155	-5	m	...	...	...	...	...	+	39.123	-43.567	-4	44.4840	10.8
...	...	20.382	+3.526	-5	m	...	...	...	...	...	...	...	...	28.716	+42.091	1.00	43.4668	10.5	...	...	...	...	...	39.148	+13.778	-5	m	...
*	...	20.405	-13.916	1.00	44.4802	10.2	...	...	...	...	...	...	...	29.130	+6.224	-5	m	...	...	...	...	...	...	40.306	+50.693	-5	...	...
...	...	20.660	-9.538	-1	44.4803	10.8	...	...	...	...	...	...	...	29.405	+45.131	-4	...	...	...	...	...	...	+	40.379	+45.999	1.10	43.4687	10.0
...	...	20.707	+10.552	-5	m	...	...	...	...	...	...	...	...	29.602	-14.602	-3	44.4822	10.8	...	...	...	...	...	40.564	+21.900	-5	m	...
451	...	+20.746	-41.917	1.00	44.4806	10.2	511	...	+29.699	+6.364	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	20.778	+4.809	1.00	43.4662	10.2	...	...	29.851	-4.510	-1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	20.798	-29.399	-2	44.4804	10.8	*	...	29.985	-30.371	1.10	44.4823	9.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	20.837	+2.064	1.15	43.4663	9.5	...	...	30.106	+4.545	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	20.923	+30.563	-4	b	...	...	...	30.718	+30.874	0.75	43.4669	10.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	+20.934	-41.151	-2	44.4807	10.8	S*	...	+30.815	-14.564	1.20	44.4824	9.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	21.079	+10.063	-4	m	...	...	...	30.826	+14.280	0.75	43.4670	10.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	21.186	-34.858	-3	...	...	...	...	30.849	-32.269	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	21.221	+13.762	-5	m	...	...	...	31.467	-39.133	-1	44.4825	10.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	21.342	-29.265	-5	...	...	...	...	31.565	-17.001	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
461	...	+21.394	+3.705	1.00	43.4664	10.5	521	...	+31.568	-29.046	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	21.956	+37.000	-4	b	...	...	...	31.729	+28.402	1.00	43.4671	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	22.256	+18.969	-4	m	...	...	...	31.963	-33.856	1.10	44.4827	10.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	22.291	+12.206	-5	m	...	...	...	32.193	-48.511	-3	44.4828	10.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	22.486	-43.200	-5	...	...	...	...	32.814	+4.439	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	+22.556	-23.560	-2	44.4810	10.8	...	...	+32.998	-19.327	1.10	44.4829	10.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	22.575	-16.456	-5	...	...	...	...	33.009	+59.122	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	22.636	+51.499	-5	m	...	...	...	33.232	-18.549	1.00	44.4830	10.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	22.725	-27.931	1.00	44.4811	10.2	...	...	33.461	-2.134	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	22.854	-18.445	-4	...	...	...	...	33.535	+36.985	1.40	43.4672	8.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
471	...	+22.872	+51.333	-3	43.4665	10.8	531	...	+33.612	+22.171	-1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	22.884	-37.614	1.25	44.4812	9.3	...	...	33.713	+42.417	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	23.143	-37.547	-5	...	...	...	...	33.724	-20.618	-5	m	...	...	...										

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
601-630						631-660						661-675					
601	+45'138	-21'186	-4	...	...	631	+50'696	+12'693	-4	...	...	661	+57'246	-19'843	-5	m	...
...	45'383	-55'250	-4	44.4848	10·6	...	50'777	-26'273	-5	...	...	...	57'334	-22'450	-5	...	...
...	45'627	+26'633	-4	a	...	...	50'870	+38'500	-3	43.4700	10·2	...	57'592	+44'218	0·75	43.4704	10·0
...	45'777	+41'775	-3	...	...	...	51'084	+26'805	-4	...	...	...	57'707	-51'720	-3	44.4863	10·2
*	45'839	-34'501	1'15	44.4849	9·6	...	51'186	+4'089	-4	...	...	...	58'035	+16'758	-5	m	...
...	+45'882	-36'678	-5	m	...	...	+51'311	+13'909	-5	m	...	...	+58'209	-40'945	-4	43.4705	10·2
...	46'087	-52'938	-5	...	...	*	51'693	-51'708	1·40	44.4856	9·2	...	58'211	-22'680	-4	...	...
...	46'250	+28'140	-2	43.4694	10·8	...	52'141	-51'900	-5	...	...	...	58'219	-43'703	-4	...	...
*	47'114	-44'026	1'30	44.4852	9·4	...	52'205	-28'412	-5	...	...	...	58'524	-15'272	-4	...	...
...	47'183	-8'882	-5	...	...	...	52'707	-26'009	-5	...	...	S*	58'571	+37'987	2'10	43.4706	8·4
611	+47'313	-18'197	-5	...	...	641	+53'564	-40'889	-3	44.4857	10·2	671	+58'749	+41'426	0·65	43.4707	10·0
...	47'361	-18'371	-2	44.4851	10·4	...	53'678	-30'783	-5	...	...	...	58'812	-42'289	-5	...	...
...	47'410	-14'323	0·75	44.4850	10·5	...	54'128	+5'526	-1	...	...	...	59'258	+35'193	-5	m	...
...	47'432	+28'712	0·90	43.4695	10·5	...	54'204	-45'473	-5	m	...	†	59'509	+3'251	-5	m	...
...	47'566	+17'702	0·65	43.4696	10·8	...	54'217	-13'385	0·90	44.4858	10·2	‡	59'597	-49'587	1'15	44.4865	9·6
...	+48'162	+10'746	-5	m	...	...	+54'224	+16'844	-4	...	...	...		
...	48'251	-53'106	0·65	44.4853	10·4	...	54'637	+26'490	-5	...	...	...		
*	48'256	-6'442	1'00	43.4698	9·8	...	54'727	+59'375	-5	42.4649	10·6	...					
...	48'311	+28'960	-5	m	...	...	54'859	+56'471	-5	m	...	...			
S †	48'351	+40'008	3'05	43.4697	7·2	...	55'918	+34'479	-5	m	...	...			
621	+48'445	+21'969	-3	...	...	651	+55'944	-38'525	-2	44.4860	10·2	...					
...	48'512	-46'461	-5	44.4854	10·8	...	55'984	-25'948	-3	...	...	...		
...	48'641	+24'580	-5	m	...	...	56'061	-14'138	-5	m	...	...			
...	48'866	+38'502	-5	m	...	...	56'227	-43'341	-5	...	...	...		
...	49'212	-10'430	-5	...	...	*	56'322	+2'815	1'20	43.4703	9·1	...					
...	+49'257	+38'004	-5	m	...	...	+56'458	+51'412	-5	...	...	...		
...	49'452	+38'279	-5	m	...	*	56'470	+19'167	1'00	43.4702	10·0	...					
*	49'859	+6'311	1'10	43.4699	9·7	...	56'479	+15'680	-5	m	...	...			
...	50'018	-37'959	-5	...	...	...	56'828	+44'520	0·70	43.4701	10·2	...					
...	50'245	-10'007	0·95	44.4855	10·2	*	56'974	-32'175	1'15	44.4861	9·6	...					

1-20						21-40						41-60					
I	-59'465	-44'226	1'30	44.4852	9·4	21	-52'046	+19'216	0·65	43.4702	10·0	41	-44'603	-30'336	-2	44.4867	10·2
...	59'462	-6'617	0·90	43.4698	9·8	...	51'682	+44'296	-3	43.4704	10·0	...	43'959	+17'545	0·80	43.4712	9·9
*	58'246	+6'180	1'00	43.4699	9·7	*	51'682	+2'876	1'20	43.4703	9·1	...	42'916	-21'169	-5	...	...
...	58'233	+38'381	-5	43.4700	10·2	...	51'139	-25'893	-4	...	...	...	42'831	-35'383	0·70	43.4713	10·0
...	58'061	-53'283	-3	44.4853	10·4	...	50'961	+41'045	-5	43.4705	10·2	...	42'690	-24'557	0·90	44.4868	9·9
...	-57'991	-46'621	-5	44.4854	10·8	...	-50'802	-38'461	-3	44.4860	10·2	...	-42'190	-9'609	0·85	44.4869	9·9
...	57'655	+26'702	-5	...	...	S*	50'511	+38'109	2'65	43.4706	8·4	...	41'645	-46'618	-5	...	...
...	57'616	+12'566	-5	...	...	...	50'443	+41'531	-2	43.4707	10·0	*	41'167	+3'236	1'10	43.4714	9·4
†	57'382	-10'133	0·65	44.4855	10·2	†	49'951	-32'073	0·90	44.4861	9·6	...	41'056	-17'378	0·70	...	...
...	56'858	+3'987	-5	...	...	...	49'022	-22'554	-5	...	...	...	40'405	-49'319	-4	44.4871	10·2
II	-56'318	-26'367	-5	...	...	31	-48'983	+26'428	0·70	43.4708	9·9	51	-40'035	-29'859	0·75	44.4872	10·2
...	54'991	+59'394	-5	42.4649	10·0	...	48'929	-15'131	-5	...	...	...	39'718	-15'169	-5	...	...
...	54'847	-28'459	-5	...	...	...	48'636	+51'592	-3	44.4863	10·2	...	39'644	-39'034	-3	44.4874	10·2
*	54'648	-51'747	1'50	44.4856	9·2	*	48'425	+26'490	1'05	43.4709	9·4	*	39'274	-40'947	1'05	44.4875	9·8
...	54'198	+16'841	-5	...	...	...	48'366	-43'551	-5	...	...	...	39'112	-2'588	-5	D	...
...	-53'963	+5'517	-5	...	...	*	-46'812	-49'408	1'05	44.4865	9·6	...	-38'621	-1'334	0·80	43.4715	10·0
...	53'295	-13'382	-1	44.4858	10·2	...	46'607	+46'439	-5	43.4711	10·2	...	38'120	-25'501	-4	...	...
...	53'106	-40'900	-4	44.4857	10·2	...	46'499	+58'425	0·85	42.4665	9·9	...	37'855	-22'040	-2	44.4876	10·2
...	53'021	+51'463	-5	...	...	...	46'397	+1'636	-4	43.4710	10·2	*	37'555	-12'356	1'05	44.4877	0·8
...	52'463	+44'569	-4	43.4701	10·2	...	45'692	-44'814	0·90	44.4866	9·8	...	37'446	+35'863	0·70	43.4717	9·9

S measured from 1, 135, 327.
B 52, 228, 400.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
61	-37.376	-37.149	0.80	44.4878	9.9	121	-23.941	-29.803	1.05	44.4898	9.4	181	-13.094	+2.013	1.20	43.4757	9.2
...	37.318	+20.079	-3	43.4716	10.2	*	23.754	+55.311	1.00	42.4689	9.9	*	12.657	-1.134	1.30	43.4758	9.0
*	36.145	+54.149	1.75	42.4677	9.4	...	23.257	-21.106	-2	44.4899	10.0	...	12.236	-48.180	-5	...	...
...	36.092	-27.203	-5	...	...	...	22.816	-18.898	-3	44.4900	10.2	...	12.116	-18.163	-3	44.4918	10.2
...	36.063	+39.034	-3	43.4719	10.2	...	22.778	+27.807	-3	43.4735	10.2	...	11.991	+29.281	-5	B	...
*	-36.013	+8.547	3.00	43.4718	7.6	...	-22.559	-23.560	-2	44.4901	10.2	*	-11.770	-0.695	2.00	43.4759	8.6
...	35.600	-6.303	-5	...	...	...	21.869	-21.608	0.70	44.4903	9.9	...	11.121	-3.295	-5	A	...
...	35.438	+15.490	0.70	43.4720	9.9	...	21.824	-28.341	0.75	44.4902	9.8	...	11.076	-56.685	0.75	44.4919	10.2
*	35.388	+33.486	2.40	43.4721	8.6	...	21.211	-4.683	-5	...	...	...	10.643	+17.388	0.90	43.4760	9.9
...	35.317	+36.218	-5	...	...	*	20.825	-46.767	1.30	44.4904	9.2	...	10.509	-20.835	0.65	44.4920	10.0
71	-34.160	-20.986	-1	44.4880	10.2	131	-20.779	-52.925	1.28	44.4905	9.1	191	-10.326	+16.685	-2	43.4761	10.2
...	34.111	-0.438	-3	43.4722	10.2	S*	20.674	+37.118	-2	43.4736	10.0	...	9.949	+4.218	-4	...	...
†	34.096	-34.949	0.70	44.4879	9.8	...	20.310	-56.014	-3	44.4907	10.0	...	9.861	+20.356	-4	43.4762	10.2
...	34.078	-11.183	-4	...	...	†	20.028	-15.693	1.00	44.4908	9.6	...	9.440	+18.541	-4	43.4763	10.2
N	34.004	-12.440	-4	A	...	†	20.007	-11.156	0.90	44.4909	9.6	...	9.189	-36.882	-5	...	...
...	-33.998	+26.268	-4	...	...	...	-19.299	+58.044	-5	42.4695	10.3	...	-9.078	+33.109	-3	43.4764	10.2
*	33.649	-28.451	1.10	44.4881	9.7	...	19.020	-22.333	-2	44.4910	10.0	...	8.697	+16.352	-1	43.4765	10.2
...	33.628	+4.981	-5	D	...	...	18.996	+32.078	-5	...	...	...	8.631	-58.900	-4	44.4921	10.2
*	32.635	-36.140	1.00	44.4882	9.7	...	18.933	+20.717	-4	...	...	...	8.262	-4.590	-5	43.4766	10.2
...	32.303	-15.975	-4	...	...	S*	18.632	-6.239	3.48	43.4737	7.4	...	7.892	-2.223	-5	A	...
81	-32.188	-7.127	-5	...	...	141	-18.429	-0.946	0.90	43.4738	9.6	201	-7.866	+6.735	0.80	43.4767	10.0
...	32.186	+37.325	-5	...	...	*	18.239	+44.116	1.00	43.4740	9.8	...	7.762	+53.534	-2	42.4706	10.3
*	31.967	+15.044	1.20	43.4723	9.2	...	18.164	+36.243	-5	...	...	...	7.559	-5.905	0.90	43.4768	9.8
*	31.950	-37.727	1.30	44.4884	9.2	†	18.095	+4.955	0.70	43.4739	10.0	...	7.550	-51.459	-5	44.4922	10.2
...	31.707	+1.612	-5	C	...	...	17.780	+17.534	-5	...	...	*	7.242	-0.199	1.05	43.4769	9.4
*	-31.640	+24.305	1.20	43.4724	9.2	...	-17.466	-16.435	0.80	44.4911	9.8	...	-7.106	+31.243	-5	...	...
...	31.464	+56.924	-5	42.4683	10.6	...	17.310	+45.013	-4	43.4741	10.2	...	6.832	+6.308	-5	D	...
...	31.455	-44.718	-5	...	...	...	17.136	-46.499	0.90	44.4913	9.8	...	6.106	-7.140	-5	43.4770	10.2
...	31.264	+46.809	-5	...	...	*	17.089	+21.217	1.10	43.4742	9.4	...	5.512	+33.334	-4	43.4771	10.2
S*	30.569	-52.290	2.28	44.4885	8.6	S*	16.902	+53.211	2.25	42.4696	8.3	...	5.403	-36.953	-5	44.4923	10.2
91	-30.251	-6.904	-3	43.4725	10.2	151	-16.899	+21.734	-5	...	...	†	-5.109	+47.777	-2	43.4772	10.0
...	29.500	+43.075	-3	43.4726	10.0	...	16.894	-0.202	0.70	43.4743	9.9	...	4.883	+40.779	-4	...	...
...	29.424	-57.594	-1	44.4887	9.8	*	16.860	+48.004	1.05	43.4745	9.4	...	4.782	+53.251	-5	...	...
*	29.154	-22.224	1.30	44.4888	9.2	...	16.711	+43.242	-2	43.4744	10.2	...	4.261	-12.332	-5	44.4924	10.2
...	29.116	-9.509	-3	44.4889	10.2	*	16.665	-3.317	2.00	43.4746	8.6	...	3.833	-45.810	-4	44.4925	10.2
*	-28.642	-5.318	1.00	43.4727	9.6	...	-16.654	+13.047	-5	...	...	...	-3.336	-29.810	-5	...	...
*	28.351	-56.541	2.00	44.4890	8.8	*	16.623	-10.172	1.00	44.4914	9.5	...	3.100	+30.449	-3	43.4773	10.2
*	28.247	-42.208	1.00	44.4891	9.6	...	16.399	+10.832	-5	...	...	...	2.393	+11.530	-4	...	...
...	27.923	-46.308	-5	...	...	...	16.364	+27.078	0.85	43.4747	9.9	*	1.818	-51.905	1.00	44.4926	9.6
...	27.913	+7.009	-5	A	...	...	16.286	-26.470	-5	...	...	*	1.786	+9.518	1.00	43.4774	9.6
101	-27.686	-17.446	-5	...	...	161	-16.223	-11.943	-5	...	...	221	-1.290	-10.957	1.10	44.4928	9.4
S*	27.589	+1.638	3.20	43.4728	7.6	...	16.132	+45.959	-5	43.4749	10.2	...	1.262	+8.067	-3	43.4775	10.2
...	27.325	-26.569	-5	...	...	*	16.048	+49.177	1.20	43.4748	9.2	...	0.789	-42.036	0.65	44.4929	10.2
...	27.226	-43.679	-3	44.4893	10.2	...	15.973	+6.996	-5	...	...	...	0.788	+0.766	0.80	43.4776	9.9
...	26.878	-5.866	-4	43.4729	10.2	...	15.708	-14.142	-5	...	...	...	0.786	+31.424	-5	...	...
*	-26.845	-1.984	1.15	43.4730	9.2	*	-15.660	-48.229	1.25	44.4915	8.9	...	-0.674	+23.732	-2	43.4777	10.2
...	26.373	-16.286	-4	...	...	...	15.547	+12.724	0.90	43.4750	9.8	...	-0.199	+15.415	-5	...	...
...	26.226	+42.296	-5	...	...	*	15.299	+35.681	1.25	43.4751	9.2	...	+0.255	-8.931	-5	M	...
...	26.202	+29.595	-3	43.4731	10.2	...	14.707	+58.223	0.65	42.4699	10.0	...	0.450	+44.913	-5	...	...
...	26.173	+16.452	-5	D	...	...	14.558	-18.457	-5	...	...	...	0.455	+13.522	-5	M	...
111	-25.938	-11.855	-5	...	...	171	-14.386	+34.274	-4	...	...	231	+0.931	+27.655	-3	43.4778	10.2
...	25.736	+45.595	0.70	43.4732	9.8	*	14.218	+2.334	1.00	43.4752	9.5	...	0.967	+34.598	0.70	43.4779	9.8
*	25.649	-56.080	1.50	44.4894	8.9	...	13.978	-4.258	0.75	43.4753	9.9	...	1.108	+5.277	-5	M a	...
...	25.472	+44.558	-2	43.4733	9.9	α	13.915	+0.373	-3	43.4754	10.0	...	1.394	-58.176	-3	44.4930	10.2
...	25.278	-35.625	-3	44.4895	10.2	...	13.810	+15.400	0.90	43.4755	9.9	...	1.706	+51.000	-5	...	...
+	-24.872	-33.408	3.80	44.4896	5.9	...	-13.726	+16.057	-5	...	...	...	+1.873	+0.197	-5	α m	...
*	24.737	-33.225	4.80	44.4896	5.9	*	13.724	-14.753	1.00	44.4917	9.7	...	1.910	+11.765	-1	43.4780	10.2
*	24.544	+26.295	1.10	43.4734	9.2	...	13.713	-17.495	-5	...	...	...	2.541	-28.409	-5	...	...
...	24.418	-8.886	-5	...	...	...	13.452	-48.473	-5	...	...	...	2.733	+33.606	-4	M	...
*	24.412	-14.390	1.40	44.4897	9.2	...	13.424	+30.350	-5	43.4756	10.2	...	2.785	-12.374	-3	...	...

75. 45° 63, obscured by fault.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		-5.	No.		Mag.	x.		y.	-5.		No.	Mag.		x.	y.	-5.	No.	Mag.	
241-300						301-360						361-420									
241	+	3·107	-47·395	1·50	44·4931	9·2	301	+	13·738	+43·808	2·70	43·4803	8·0	361	+	28·374	-17·485	1·25	44·4967	9·1	
*		3·303	-22·720	1·10	44·4932	9·5	...		13·851	+17·347	-3	43·4804	10·2	...		28·833	-28·874	-4	44·4968	10·2	
...		3·358	+21·048	-5	...	...	*		13·878	+14·715	1·00	43·4805	9·7	...		29·288	+58·845	-4	42·4738	10·3
...		3·469	+6·952	-4	M	...	*		14·347	+21·429	-3	...	...	*		29·661	+49·544	2·10	43·4823	8·3
...		3·524	+26·797	-4	43·4781	10·2	...		14·609	+42·250	0·80	43·4806	9·9	...		29·703	-27·756	-5	...	...
...	+	3·572	+8·285	-4	M	+	14·722	-0·462	0·70	43·4807	9·8	...	†	+	29·828	-26·344	-4	44·4969	10·2
...		3·731	-51·116	-4	...	...	...	†	14·820	+12·166	-3	43·4808	10·0	...		29·991	-18·687	0·65	44·4970	10·2
...		3·847	-51·200	-5	44·4933	10·0	...	†	14·901	+19·185	-4	43·4809	10·2	...	z	30·330	-0·338	0·85	43·4824	9·8	
...		3·853	+54·963	0·90	42·4715	9·9	*	*	15·213	+22·456	1·50	43·4810	9·0	S	*	30·785	-57·869	2·38	44·4971	8·4	
...		3·865	+47·431	-4	43·4782	10·2	*	*	15·314	+6·657	1·00	43·4811	9·8	...		30·872	+57·895	0·80	42·4745	9·8	
251	+	4·286	-8·975	-5	M	...	311	+	15·710	+5·282	0·85	43·4812	9·9	...	+	31·070	+34·557	0·70	43·4825	10·2	
...		4·390	+17·704	-4	...	...	...		16·134	+6·837	-5	...	...	*		31·126	+52·543	1·05	42·4746	9·7
...		5·063	-11·881	-5	M	...	...		16·702	-51·996	-3	44·4949	10·2	...		31·229	+26·815	-5	...	...
...		5·284	-26·557	-3	44·4934	10·2	...		17·058	+28·019	0·70	43·4813	9·9	...		31·473	+17·432	-5	...	...
...	*	5·543	-30·783	1·00	44·4935	9·7	...		17·890	-18·902	-1	44·4950	9·9	...		31·610	-6·368	-1	43·4826	9·9	
...	+	5·702	+6·007	-3	43·4783	10·0	...	+	18·404	-38·934	-5	...	...	...	+	31·715	-42·350	0·90	44·4973	9·8
...		5·885	-25·918	0·70	44·4936	9·8	...		18·518	-31·836	-5	...	...	*		31·821	+0·109	1·00	43·4827	9·6
S	*	5·891	+7·979	1·32	43·4784	8·9	...		18·591	+26·648	-5	...	...	...		32·022	-7·006	0·75	43·4828	9·8
*		6·197	+5·524	1·05	43·4785	9·7	...		18·624	-43·388	-3	...	...	*		32·382	+17·611	1·00	43·4829	9·6
...		6·221	+31·449	-4	...	...	...		18·912	-34·855	-4	44·4951	10·2	...	†	33·299	+59·582	3·10	42·4749	7·7
261	+	6·373	-15·271	1·50	44·4937	8·8	321	+	19·107	-58·918	-2	44·4952	10·0	...	+	33·564	-42·430	0·90	44·4974	9·8	
...		6·387	+28·766	0·90	43·4786	9·8	...		19·149	+11·575	-3	43·4814	10·2	...		34·166	+33·829	-5	43·4831	10·2	
...		6·448	+25·038	-5	...	...	...		19·322	-35·420	-4	...	...	...	†	34·237	+34·791	-5	43·4830	10·2
...		6·551	-3·025	0·80	43·4788	9·8	...		19·426	-37·394	-4	...	...	...		36·128	-12·875	0·80	44·4976	10·0
...		6·588	+38·639	-4	43·4787	10·2	...		19·463	-34·377	-5	...	...	...		36·590	-22·920	-1	44·4977	9·9
...	+	6·740	+16·353	-3	43·4789	10·2	*	+	19·700	-55·513	1·05	44·4953	9·6	...	+	36·760	+30·192	-3	43·4832	10·2	
*		7·191	+50·962	1·05	43·4790	9·6	...		20·013	+16·646	-4	...	...	...		36·853	-8·892	-5	...	...
...		7·549	-1·042	-5	...	...	...		20·096	+17·054	-4	...	...	...		37·047	-41·631	-1	44·4978	10·0
...		7·675	+16·489	-5	...	...	...		20·119	-46·892	0·65	44·4954	10·2	...		37·300	+4·787	0·90	43·4833	9·9
...		8·187	-38·049	-4	...	...	...		20·264	-34·621	1·40	44·4955	9·0	...		37·605	-6·129	-3	43·4834	10·2
271	+	8·195	-24·005	-3	44·4939	10·2	331	+	20·420	+19·083	1·00	43·4815	9·4	391	+	38·137	+7·611	0·90	43·4835	9·7	
...		8·489	+51·357	-1	43·4791	9·8	...		20·705	+58·883	-4	42·4729	10·3	...		38·179	-19·141	-5	...	...
...		8·532	-55·224	-2	44·4940	10·0	...		21·250	-32·168	-5	...	...	...		38·189	-31·224	-4	44·4979	10·2
...		8·639	-4·892	0·80	43·4792	9·7	*		21·321	+25·850	1·00	43·4816	9·6	...		38·407	-57·069	-5	44·4981	10·2	
...	*	8·796	-2·420	1·40	43·4793	9·2	...		21·866	-53·026	-5	...	...	...		38·701	-16·324	-5	44·4980	10·2
S	+	9·185	+51·092	3·10	43·4794	7·4	*	+	22·762	+9·225	-5	...	...	*	+	38·729	+0·589	1·00	43·4836	9·8
...		9·527	+2·114	-5	43·4795	10·2	*		23·041	-23·630	1·00	44·4957	9·7	...		39·088	-37·789	-3	44·4983	10·2	
...		9·793	-48·638	-3	44·4941	10·2	...		23·045	-19·385	0·90	44·4958	9·8	...		39·105	-14·542	-5	44·4982	10·2	
...		10·064	+55·310	-5	...	...	...		23·368	+52·099	0·65	43·4817	10·0	...		39·212	+25·126	-5	43·4837	10·2
...		10·154	+41·867	-3	43·4796	10·2	...		23·407	-9·158	-5	44·4959	10·2	...		40·538	-14·848	-3	44·4984	10·2	
281	†	10·161	+24·890	-3	43·4797	10·2	341	+	24·012	-40·740	-5	...	...	401	+	40·658	-16·750	-5	...	...
...		10·235	-25·118	-5	...	...	...		24·355	+43·251	-3	43·4818	10·2	...		40·961	+28·427	-5	...	...
...		10·359	-35·997	-5	...	...	...		24·525	-7·788	-1	44·4960	10·2	*		41·163	+14·179	1·00	43·4830	9·9
...		10·687	-46·537	-4	...	...	*		24·689	-58·269	1·00	44·4961	9·7	*		41·211	+36·503	2·25	43·4838	8·6
*		11·129	+32·799	1·80	43·4798	8·9	...		25·232	-21·891	-5	...	...	...		41·317	-30·801	-4	...	...
...	+	11·164	+5·340	-1	43·4799	9·9	...	+	25·519	-56·476	-5	44·4962	10·2	...	+	41·991	+6·592	-5	a	...	
...		11·174	-58·757	-5	...	...	*		25·694	-55·476	1·20	44·4963	9·4	S	*	42·645	+4·674	2·00	43·4840	8·7
...		11·265	-58·055	-5	...	...	...		26·184	-50·549	-5	...	...	...		42·969	+43·003	-5	...	...
...		11·284	-29·809	-3	44·4942	10·2	...		26·242	+19·756	0·85	43·4819	9·9	...		43·060	-8·036	-4	...	...
...		11·313	+31·780	-4	43·4800	10·2	...		26·271	+10·657	-5	...	...	...		43·797	-13·804	-3	44·4985	10·2
291	+	11·924	-5·765	-5	43·4802	10·2	351	+	26·375	-12·903	-5	...	...	411	+	43·841	+57·774	-2	42·4757	10·0
...		11·947	+1·550	-5	...	...	...		26·450	+27·015	-5	...	...	*		43·883	+34·036	1·00	43·4842	9·9
*		11·988	-22·410	1·00	44·4944	9·8	...		26·711	-7·871	0·90	44·4964	9·8	...		43·887	+40·602	0·90	43·4841	9·8	
*		12·068	+17·703	1·00	43·4801	9·7	...		26·711	-26·676	-5	...	...	...		44·072	-10·715	-4	44·4986	10·2
†		12·171	+19·865	-5	...	...	...		27·038	+47·384	-2	43·4820	10·0	...		44·107	-8·016	-3	43·4843	10·2
...	+	12·182	-33·984	-5	...	...	...	+	27·401	-55·818	-5	...	...	...	+	44·222	+36·065	-5	...	...
...		12·280	+27·692	-5	...	...	*		27·834	-14·276	1·00	44·4965	9·7	...		45·548	-34·003	-5	...	...
...		12·336	-21·313	-5	...	...	...		28·077	+32·976	-2	43·4821	10·2	...		46·387	-26·773	-5	...	...
*		13·025	-57·803	1·10	44·4946	9·6	...		28·167	-17·265	-5	...	...	...		46·702	-7·390	-2	43·4846	10·2
†		13·343	-30·014	1·20	44·4947	9·2	*		28·367	+29·210	1·00	43·4822	9·7	...		46·826	+33·425	0·70	43·4844	9·9	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-440						441-460						461-466					
421	+46.972	+1.968	-5	...	...	441	+52.060	+4.786	-2	43.4852	10.0	461	+58.106	+57.888	2.80	42.4774	8.7
...	47.098	+32.919	1.10	43.4845	9.7	...	52.130	-44.410	-5	...	...	...	58.519	-9.220	-5	...	...
*	47.397	-28.588	-5	...	...	...	52.629	-14.762	-3	44.4992	10.2	...	58.706	+17.017	-4	...	...
...	47.590	-33.779	1.00	44.4987	9.7	...	53.344	+22.232	0.75	43.4853	9.9	...	59.092	-15.393	-3	44.4997	10.0
*	47.614	+28.659	1.25	43.4847	9.4	...	53.453	-8.328	-4	44.4993	10.2	N*	59.309	-8.719	1.15	44.4998	9.1
...	+47.975	+51.149	-5	...	...	...	+53.730	-57.005	-4	44.4995	10.2	...	+59.505	+0.612	0.70	43.4859	10.0
...	48.188	-56.098	-5	...	...	...	53.951	+1.062	-5	e	...	...			
*	48.316	-3.028	1.00	43.4848	9.8	...	54.012	+7.848	-4	...	...	...		
...	48.742	+2.479	-5	...	...	...	54.027	-10.024	0.70	44.4994	10.0	...					
*	49.410	-44.560	1.10	44.4988	9.5	...	54.707	+34.306	1.20	43.4854	9.4	...					
431	+50.330	+6.725	-5	...	...	451	+55.743	+5.975	-3	43.4856	10.2	...					
*	50.379	+27.766	1.00	43.4849	9.7	...	55.824	+49.388	-3	43.4855	10.0	...					
...	50.512	+37.514	-4	...	...	...	55.918	+5.120	-5	...	...	...		
...	50.577	-53.692	-5	...	...	e*	56.341	-0.681	1.05	43.4857	9.8	...					
S	50.730	-20.125	2.45	44.4989	8.4	...	56.467	-35.443	-4	...	...	...		
...	+50.757	+14.600	-5	...	...	...	+56.801	-23.124	-5	...	...	...		
...	50.819	-56.131	-4	44.4990	9.9	...	56.828	-44.547	-5	...	...	...		
*	50.869	+49.429	1.00	43.4850	9.6	...	57.451	+13.425	0.75	43.4858	9.9	...					
...	50.952	-1.322	-3	43.4851	10.0	...	57.982	-32.199	-5	...	...	...		
...	51.007	-24.141	-5	...	...	...	58.063	-34.694	-4	44.4996	10.2	...					

465. Image faulty.

1-30						31-60						61-90						
I	-59.687	+46.319	-5	...	...	31	-54.022	+1.049	-4	E	...	61	-49.109	-9.079	-4	...	...
...	59.662	-28.790	-4	...	...	...	53.875	+17.741	-5	A	...	...	49.026	+9.326	-5	...	...
*	59.501	-3.204	1.05	43.4848	9.8	...	53.594	+49.400	-1	43.4855	10.0	...	48.934	-32.082	-5	...	...
...	59.304	-33.962	1.00	44.4987	9.7	...	53.581	-10.024	0.70	44.4994	10.0	...	48.798	-34.539	-3	44.4996	10.2	
...	59.245	+2.307	-4	...	...	...	53.141	-18.148	-5	...	...	...	48.497	+19.214	-5	...	...
...	-58.558	+37.377	-4	...	...	...	-53.113	-41.785	-5	...	...	...	-48.428	-8.442	-5	...	...
...	58.532	+49.288	0.95	43.4850	9.6	...	52.920	-59.214	-5	...	...	...	48.423	+0.776	0.90	43.4859	10.0
*	58.387	+27.627	1.15	43.4849	9.7	...	52.460	-56.997	-2	44.4995	10.2	...	48.357	-15.241	0.65	44.4997	10.0	
...	58.018	-56.243	-5	...	...	...	52.416	-7.817	-5	B	...	...	* 48.326	-8.560	1.20	44.4998	9.1
...	57.789	+6.600	-4	...	...	...	52.370	+50.441	-5	...	...	...	† 48.300	-35.121	-5	...	...
II	-57.646	+38.120	-5	...	...	41	-52.356	+6.022	-1	43.4856	10.2	71	-48.125	+52.461	-5	...	...
...	57.585	+14.473	-4	...	...	...	52.307	+20.561	-5	...	...	...	47.596	-7.023	-5	...	...
...	57.429	+41.858	-5	...	...	...	52.231	+44.587	-5	...	...	...	47.579	+8.312	-5	...	...
...	57.218	-9.466	-5	...	...	...	52.154	+5.172	-4	...	...	...	47.411	+33.117	-5	...	...
*	57.160	-44.670	1.10	44.4988	9.5	...	51.898	-46.155	-5	...	...	...	47.001	-26.993	-5	...	...
...	-56.919	-1.423	0.70	43.4851	10.0	*	-51.565	+57.966	1.80	42.4774	8.7	...	-46.933	+14.661	-4	...	...
S	56.570	-20.224	2.00	44.4989	8.4	E*	51.562	-0.618	1.00	43.4857	9.8	...	46.917	-40.980	-5	...	...
...	56.187	-24.226	-4	...	...	...	50.876	+13.517	0.80	43.4858	9.9	...	46.758	+18.012	-4	...	...
...	55.998	+4.714	0.70	43.4852	10.0	...	50.617	-5.385	-5	...	...	...	* 46.728	+17.649	1.25	43.4860	9.2
...	55.934	+44.154	-4	...	...	...	50.596	+5.887	-5	M	...	...	† 46.630	-20.497	-5	...	...
21	-55.772	+14.925	-5	51	-50.499	+3.908	-5	M	-46.133	-14.297	-5
...	55.706	-53.776	-4	50.416	-23.029	-4	46.042	+24.291	-5	A	...
...	55.379	-56.206	-4	44.4990	9.9	...	50.381	-35.350	-4	*	45.582	-46.848	1.10	44.5000	9.6
*	55.255	+22.183	1.00	43.4853	9.9	...	50.276	+27.567	-5	45.556	-8.610	-5
†	54.828	-14.791	-4	44.4992	10.2	...	49.984	-41.158	-5	*	45.229	-15.619	1.00	44.5001	9.8
...	-54.432	-44.457	-4	-49.935	-43.110	-4	-44.553	-57.638	0.65	44.5002	10.0
*	54.258	+34.300	1.15	43.4854	9.4	...	49.736	+17.138	-3	44.515	+3.780	-5	M	...
...	54.204	-8.352	-3	44.4993	10.2	...	49.725	-44.441	-3	44.499	+15.885	-2	43.4861	10.2
...	54.142	+7.843	-4	49.577	+0.542	-5	M	44.260	-33.448	-5
...	54.053	-3.802	-5	49.388	+48.166	-5	44.179	+10.042	-4	43.4862	10.2

SB measured from 1, 152, 335, 515.
E ,, ,, 86, 228, 426, 595.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam	C P D	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-44.077	-31.181	-3	44.5005	10.2	151	-35.010	-33.769	-1	44.5018	10.2	211	-23.186	-5.335	-1	43.4884	10.2
...	44.000	-9.533	-5	...	...	...	34.900	-0.650	-3	43.4872	10.0	...	23.117	-48.128	-5	...	...
*	43.916	-32.263	2.40	44.5004	8.0	...	34.579	-41.732	-3	...	...	...	23.071	-33.575	-4	...	...
...	43.745	-46.392	-3	44.5003	10.2	...	34.309	-56.141	-5	...	...	...	22.875	-41.087	-5	...	...
*	43.649	-42.769	1.30	44.5006	9.4	...	34.278	+53.974	-1	42.4792	10.2	...	22.723	+50.162	-5	...	...
...	-43.438	-51.148	-5	...	...	...	-33.785	-52.442	-5	...	...	...	-22.629	+22.436	-4	...	...
...	43.322	-26.740	-5	...	...	...	33.438	+57.442	-5	...	...	...	22.597	-58.494	-1	44.5027	10.2
...	43.050	-13.517	-4	...	...	...	33.298	-57.239	-5	...	...	*	22.554	-41.874	1.30	44.5028	8.9
*	42.931	+35.624	1.20	43.4863	9.4	...	33.124	-37.069	-5	...	...	...	22.457	-30.595	-4	44.5029	10.2
...	42.918	+17.048	-5	...	...	...	32.966	+30.036	-5	...	...	*	21.709	-16.234	1.00	44.5030	10.0
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...
*	-42.587	-3.247	1.00	43.4864	10.2	...	-32.959	+57.615	-3	...	...	...	-21.330	-24.767	-5	M	...
...	42.162	+10.864	-4	...	...	...	32.861	-24.716	-3	...	...	...	21.234	+37.232	-5	...	...
...	42.140	-24.050	-5	...	...	...	32.495	+33.973	0.65	43.4873	10.2	...	20.893	-54.858	-5	...	...
*	42.096	-37.725	1.15	44.5007	9.6	*	32.415	+36.147	1.00	43.4874	9.9	...	20.642	-30.671	-2	44.5031	10.2
*	41.290	+6.252	1.10	43.4865	9.6	...	32.249	-20.785	-3	...	...	...	20.616	-6.016	-3	...	...
...	-41.289	-3.066	-5	...	...	...	-32.221	-19.981	-1	44.5019	10.2	...	-20.409	-33.631	-5	...	...
...	41.219	+5.071	-5	M	...	...	32.076	+51.433	-5	...	...	†	19.928	-45.709	-4	44.5032	10.2
...	41.073	-19.901	-5	...	...	*	32.067	+19.041	1.00	43.4875	9.8	†	19.797	+14.802	-4	...	...
...	41.024	-36.576	-5	...	...	*	31.885	+44.568	1.00	43.4876	9.8	...	19.680	+7.677	-5	...	...
...	40.989	-33.765	-2	44.5009	10.2	...	31.621	-35.272	-3	...	...	...	19.605	+36.318	0.65	43.4885	10.2
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...
*	-40.958	-46.144	1.20	44.5008	9.4	...	-31.514	+26.739	0.85	43.4877	10.0	...	-19.470	+56.869	0.90	42.4814	9.8
*	40.857	-33.211	1.00	44.5012	9.9	...	31.323	+39.388	-4	...	...	S *	19.450	-44.258	1.90	44.5033	8.6
...	40.844	-41.396	-5	...	...	...	31.254	-1.670	-5	...	...	†	19.427	-25.131	1.05	44.5034	9.5
...	40.730	-51.932	0.65	44.5010	9.9	...	31.106	-19.325	-5	...	...	...	19.192	-41.165	-3	...	...
*	40.706	-46.663	1.25	44.5011	9.2	...	30.957	-51.560	-5	...	...	...	19.118	-32.017	-1	44.5036	10.2
...	-40.648	+52.845	-3	42.4785	10.3	...	-30.557	-10.767	-1	44.5021	10.0	...	-18.871	-11.805	-4	...	...
S *	40.518	+45.660	2.05	43.4867	8.1	...	30.243	-22.492	-5	...	...	...	18.817	+0.817	-5	...	...
*	40.493	-5.433	1.00	43.4866	10.2	...	29.918	+22.667	1.25	43.4878	9.1	S *	18.425	+7.540	1.35	43.4886	8.6
...	40.263	-26.995	-5	...	...	...	29.609	+48.367	-2	43.4880	10.2	†	18.156	+14.774	-1	43.4887	10.2
†	39.868	+10.918	1.20	43.4868	9.2	...	29.605	+23.452	-5	...	...	...	18.097	+56.553	-5	...	...
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
...	-39.801	+0.186	-3	...	...	...	-29.531	+41.096	-1	43.4879	10.2	...	-17.208	+54.398	-5	...	...
...	39.779	+9.940	-5	M	...	...	28.709	+39.340	-5	...	...	*	17.066	-17.033	1.00	44.5037	9.8
...	39.691	-8.591	-5	...	...	...	28.503	-7.076	-4	...	...	S *	16.949	-24.435	1.08	44.5038	9.4
...	39.690	-56.620	0.65	44.5013	10.2	...	28.415	-48.731	-5	...	...	...	16.739	-21.349	-5	...	...
*	39.178	+46.158	1.20	43.4870	9.5	...	28.330	-44.093	-5	...	...	...	16.723	-11.445	-1	44.5039	10.2
...	-39.012	+2.884	0.70	43.4869	10.0	...	-28.313	-53.352	-5	...	...	...	-16.290	-8.187	-5	...	...
...	38.907	-24.600	-5	...	...	...	28.221	+20.586	-3	43.4881	10.2	*	16.049	-45.169	1.00	44.5040	9.7
...	38.902	-17.733	-5	...	...	...	27.937	+55.757	-4	...	...	*	15.787	-27.984	1.15	44.5041	9.4
...	38.788	+59.161	-5	...	...	...	27.387	+55.173	-5	...	...	*	15.719	-2.645	1.10	43.4889	9.6
...	38.750	-39.587	-5	...	...	...	27.236	+29.896	-5	B	...	...	15.691	-5.418	-1	43.4888	10.0
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
...	-38.483	-43.136	-5	...	...	...	-26.771	+11.956	-5	M	...	...	-15.659	+51.312	-4	43.4890	10.3
...	38.347	-17.029	-5	...	...	...	26.599	+52.651	-5	...	...	...	15.519	+54.342	-5	...	...
...	38.084	+55.726	-4	42.4788	10.3	*	26.466	+10.528	1.00	42.4882	9.9	...	15.383	-50.755	-5	...	...
...	38.064	-33.858	-3	...	...	*	26.136	-26.891	1.00	44.5024	9.8	...	15.374	-34.290	-5	...	...
...	37.774	-51.879	-5	...	...	...	26.082	-45.638	-5	...	...	...	15.265	-38.055	-5	...	...
...	-37.327	-18.733	-5	...	...	*	-26.071	-34.735	1.00	44.5023	9.8	...	-15.241	-43.679	-5	...	...
...	37.237	+3.984	-4	...	...	...	26.021	-34.291	-5	B	...	...	15.093	+21.313	-5	...	...
...	36.573	-12.455	-4	...	...	...	25.604	+37.272	-1	43.4883	10.2	...	14.846	-48.122	-1	44.5043	10.2
...	36.547	-27.460	-4	...	...	...	25.503	-28.374	-5	...	...	...	14.764	+17.034	-5	...	...
...	36.346	-55.074	-1	44.5014	10.2	...	25.465	+20.241	-4	...	...	*	14.731	+48.128	1.00	43.4891	9.8
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
*	-36.123	-32.596	1.00	44.5015	9.8	...	-25.276	-43.988	-4	...	...	...	-14.680	+57.843	-1	42.4818	10.1
...	36.086	-37.468	1.00	44.5016	10.2	...	25.138	-38.638	-2	...	...	*	14.624	-46.535	1.20	44.5044	9.4
...	35.790	+56.747	-5	...	...	...	25.112	+6.554	-5	M	...	...	14.518	-33.341	-5	...	...
...	35.643	-36.652	-5	...	...	...	25.112	-27.101	-4	...	...	...	13.443	+41.747	-1	43.4892	10.2
...	35.612	-15.869	-4	...	...	...	25.069	+40.008	-5	...	...	...	13.292	-47.241	-5	...	...
...	-35.583	-28.623	0.75	44.5017	10.0	...	-24.569	-22.710	-5	...	...	...	-12.815	-46.234	-5	...	...
...	35.433	+23.118	-5	...	...	...	23.976	+24.009	-5	M	...	...	12.756	-5.316	-5	...	...
*	35.210	+28.152	1.00	43.4871	9.8	...	23.664	-12.786	-5	...	...	...	12.665	+21.604	-5	...	...
...	35.196	-41.971	-4	...	...	...	23.438	+8.224	-2	...	...	...	12.624	-18.288	-2	...	...
...	35.171	+21.516	-4	...	...	...	23.429	-39.984	1.00	44.5026	9.6	...	12.545	+28.479	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-330						331-390						391-450					
271	-12.544	+52.574	-5	...	...	331	-0.784	-17.054	-5	<i>m</i>	...	391	+9.665	-46.861	-5	<i>m</i>	...
...	12.509	-44.691	-5	...	...	...	0.573	-43.987	-4	...	...	...	10.014	+3.356	-5	<i>m</i>	...
...	12.182	+56.220	-5	...	...	...	0.382	-14.627	-4	<i>m</i>	...	...	10.310	+41.367	-5	...	...
...	11.741	-4.334	-5	<i>M</i>	...	...	* -0.369	+57.542	1.10	42.4836	9.8	...	* 10.557	+49.591	1.00	43.4922	9.4
...	11.664	-19.757	0.70	44.5045	9.8	...	+0.136	+4.317	-2	...	...	...	10.558	-37.468	-4	...	...
...	-11.419	+2.126	-4	...	...	...	+0.388	-10.719	-5	<i>m</i>	...	...	+10.666	+35.012	-4	...	...
*	11.232	-4.314	1.35	43.4893	9.1	...	0.515	+51.110	-5	...	...	...	* 10.899	+49.369	1.30	43.4923	9.0
...	11.143	-47.872	-5	...	...	...	0.577	-33.424	-4	...	...	...	10.911	+17.532	0.95	43.4924	10.0
*	10.933	+44.046	1.00	43.4894	9.8	...	0.614	-19.370	-5	<i>B m</i>	...	...	10.959	+35.539	-3	...	...
...	10.540	-56.088	0.70	44.5046	9.9	...	1.134	+46.722	0.95	43.4907	9.8	...	11.000	+10.829	-4	...	...
281	-10.363	+6.865	-5	<i>M</i>	...	341	+1.376	-18.912	-5	<i>A m</i>	...	401	+11.005	+8.801	-4	...	...
...	10.140	+49.576	-5	...	...	...	1.453	-0.450	-5	<i>M m</i>	...	...	11.519	+24.335	-4	...	...
...	9.777	+41.488	-5	<i>M</i>	...	...	* 1.695	+51.087	1.05	43.4908	9.6	...	11.636	+11.246	-5	<i>m</i>	...
...	9.703	+25.879	0.75	43.4895	9.9	...	1.770	-29.367	-4	<i>m</i>	...	...	11.728	-54.414	-3	44.5057	10.2
...	9.447	+59.229	-4	42.4823	10.3	...	1.800	+56.369	0.90	42.4837	10.0	...	11.773	-17.808	-4	...	...
...	-9.304	+35.559	-4	43.4896	10.2	...	+1.936	+44.343	-2	43.4909	10.2	<i>S *</i>	+11.896	-36.241	1.25	44.5058	8.8
...	8.941	+43.807	-5	<i>M</i>	...	...	2.013	+6.411	-5	<i>M m</i>	...	...	11.941	+5.036	-4	...	...
...	8.910	+51.203	-5	...	...	...	2.263	+5.208	-5	<i>M m</i>	...	...	12.424	+47.454	-4	...	...
...	8.622	-2.940	-3	...	...	...	2.376	+22.378	-3	...	...	...	12.676	-26.014	-5	<i>m</i>	...
...	8.572	-31.072	-1	...	...	...	* 2.619	-26.301	1.00	44.5052	9.9	...	12.704	-58.991	-2	44.5059	10.2
291	-8.525	-39.602	-1	...	...	351	+2.644	-15.431	-1	44.5051	10.2	411	+12.770	+53.665	1.30	42.4851	9.1
...	8.046	+25.278	-5	<i>M</i>	...	...	2.729	+43.215	-3	...	...	...	12.991	+20.461	-4	...	...
...	8.033	-4.208	-1	43.4897	10.2	*	2.827	-2.269	1.10	43.4910	9.6	...	13.162	-19.395	-5	<i>m</i>	...
...	7.982	+46.303	0.75	43.4898	10.2	...	3.092	+33.472	0.80	43.4911	10.2	*	13.164	+49.414	1.00	43.4925	9.8
...	7.953	+27.726	-4	...	...	...	3.786	+35.806	-5	...	...	...	13.176	+22.671	-4	...	...
...	-7.884	+56.580	-4	...	...	...	+3.917	+25.393	-4	<i>A m</i>	...	...	+13.284	-40.493	-4	...	...
...	7.655	-26.798	-4	...	...	<i>S *</i>	3.995	+34.052	1.25	43.4912	8.9	...	13.876	-18.982	-3	44.5060	10.2
*	6.969	+27.612	1.00	43.4899	9.7	...	4.681	+9.074	-5	<i>M m</i>	...	...	13.951	-3.634	-3	<i>b</i>	...
*	6.733	+10.295	1.20	43.4900	9.5	...	4.835	-20.599	-5	<i>m</i>	...	...	13.967	-41.139	-5	<i>m</i>	...
...	6.680	-5.383	0.75	43.4901	10.0	*	5.102	+44.903	1.10	43.4913	9.4	...	14.277	-50.502	-4	...	...
301	-6.410	-27.605	-5	...	...	361	+5.354	+57.769	-4	42.4839	10.3	421	+14.344	-24.015	-4	<i>b</i>	...
...	6.294	+16.787	-5	...	...	...	5.497	-11.940	-4	<i>m</i>	...	...	14.475	-5.015	1.00	43.4926	10.0
...	5.992	-20.521	-4	<i>m</i>	...	...	5.627	-46.377	-5	...	...	...	14.540	-21.637	-3	...	...
...	5.988	-29.329	-5	<i>m</i>	...	...	5.982	-14.242	-4	...	...	...	14.651	+20.112	-5	<i>m</i>	...
...	5.911	-34.754	-5	<i>m</i>	...	...	6.292	-20.564	-3	...	...	...	14.688	+11.165	0.70	...	...
...	-5.703	-16.494	-5	<i>m</i>	...	...	+6.448	-20.992	0.70	44.5053	10.0	...	+15.016	-1.450	-1	43.4927	10.2
<i>S *</i>	5.532	+46.652	1.25	43.4902	8.9	*	6.473	+39.526	1.80	43.4914	8.5	...	15.039	-36.290	-5	...	...
...	5.214	+25.186	-5	<i>m</i>	...	...	6.478	-41.258	-4	<i>b</i>	...	...	15.201	-18.503	-5	<i>m</i>	...
†	4.960	-31.813	-5	...	...	...	6.731	-32.886	-5	<i>m</i>	...	...	* 15.412	-5.486	1.00	43.4928	10.0
*	4.894	+26.260	1.35	43.4903	9.2	...	7.074	+38.787	0.65	43.4915	10.0	...	16.038	-8.757	-5	<i>m</i>	...
311	-4.651	-36.156	-4	...	...	371	+7.582	-46.980	-4	<i>b</i>	...	431	+16.170	-34.677	-5	<i>m</i>	...
...	4.649	-44.592	-2	...	...	...	7.630	+1.194	0.70	43.4917	9.9	...	16.621	-21.192	-4	<i>b</i>	...
...	4.530	+37.418	0.75	43.4904	10.2	...	7.719	-1.679	-5	<i>m</i>	...	...	16.651	-16.057	-4	44.5061	10.2
...	4.129	+51.229	-5	...	...	*	7.750	+36.676	1.00	43.4916	9.7	...	16.735	-45.082	0.75	44.5062	10.2
...	3.558	-23.801	0.65	44.5050	10.2	*	7.866	+1.702	1.00	43.4918	9.8	...	16.880	-20.757	-5	<i>m</i>	...
...	-2.833	-4.045	-5	<i>M m</i>	...	...	+7.945	-41.230	0.80	44.5054	10.0	...	+17.129	+32.273	-4	...	...
...	2.776	+10.952	-5	<i>M m</i>	...	...	8.070	-44.318	-4	<i>b</i>	...	...	17.204	-45.485	-2	...	...
...	2.562	-53.751	-5	<i>m</i>	...	...	8.133	-16.293	-2	...	...	...	17.350	-52.251	-4	<i>a</i>	...
*	2.437	+37.441	1.00	43.4905	9.9	...	8.361	-30.597	-5	<i>m</i>	...	*	17.399	-10.744	1.40	44.5063	9.0
...	2.324	+7.013	-4	...	...	...	8.362	-28.881	0.90	44.5055	10.2	...	17.522	+0.240	-2	...	...
321	-2.303	+31.016	1.00	43.4906	9.9	381	+8.389	-18.284	-5	<i>m</i>	...	441	+17.665	-34.517	1.40	44.5064	8.9
...	2.289	-47.218	-5	<i>m</i>	...	...	8.519	+58.444	-5	...	...	...	17.668	+33.789	-3	...	...
...	1.950	-16.714	-5	<i>m</i>	...	...	8.528	-40.639	-5	<i>m</i>	...	...	17.715	+47.284	-5	<i>a</i>	...
...	1.920	-50.321	-5	<i>m</i>	...	...	8.590	-5.700	-1	43.4919	10.2	...	17.735	-50.081	0.75	44.5065	10.0
...	1.877	-8.471	-5	<i>m</i>	...	*	8.661	-58.199	1.00	44.5056	9.8	...	17.737	+24.477	-1	43.4929	10.2
...	-1.866	-48.451	-5	...	...	...	+8.731	-47.013	-5	<i>m</i>	...	...	+17.968	+44.267	-5	<i>a</i>	...
...	1.776	-40.884	-5	...	...	...	8.732	-17.587	-4	...	...	...	17.998	-12.944	-5	<i>m</i>	...
...	0.928	-2.836	-5	<i>m</i>	...	*	8.789	+19.040	1.05	43.4920	9.4	...	18.228	-5.974	0.70	43.4930	9.9
...	0.894	-44.780	-5	<i>m</i>	...	†	8.836	-10.009	-5	<i>m</i>	...	...	18.384	-53.483	-4	...	...
...	0.853	-22.254	-4	<i>m</i>	...	...	8.909	+9.089	-3	43.4921	10.2	...	18.458	-20.200	-5	<i>m</i>	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-510						511-570						571-630					
451	+19.387	-55.885	1.15	44.5066	9.5	511	+29.583	-36.215	-1	...	...	571	+41.307	-26.656	1.15	44.5091	9.4
...	19.467	-27.097	-5	m	...	...	29.747	-2.536	-5	m	...	...	41.815	+33.267	-5	...	...
...	19.524	-8.716	-5	m	...	...	29.813	-21.837	-5	m	...	...	41.905	-30.163	-2	44.5093	10.2
...	19.642	-25.578	-5	m	...	...	29.840	-24.656	-5	m	...	...	42.403	+29.227	0.65	...	...
...	19.736	+52.608	-3	42.4857	10.2	...	30.016	-40.133	1.60	44.5077	8.7	...	42.507	+54.343	-3	42.4879	10.2
...	+19.810	-25.853	0.90	44.5067	9.8	S	+30.110	-6.056	1.55	43.4940	8.7	...	+42.671	-54.259	-5	m	...
...	20.012	-46.217	-1	...	...	...	30.322	+2.937	-4	...	...	...	43.042	+8.954	-3	...	...
...	20.335	-15.682	1.00	44.5068	9.8	...	30.360	+2.667	-4	...	...	...	43.158	-56.850	-5	m	...
...	20.374	-50.874	-5	m	...	...	30.509	+12.740	0.65	43.4941	10.2	...	43.303	-43.575	-5	m	...
...	20.397	-37.407	0.70	44.5069	10.0	...	30.636	-45.281	-5	m	...	...	43.804	-42.935	-5	m	...
461	+20.429	+27.905	-3	...	...	521	+31.162	+57.877	1.00	42.4865	9.8	581	+43.809	+8.709	2.10	43.4949	8.1
...	20.718	-25.339	1.00	44.5070	9.8	...	31.988	+41.464	-3	43.4942	10.2	...	43.866	-48.516	-4	b	...
...	20.728	+55.999	0.80	42.4858	10.0	...	32.223	-24.582	-5	...	...	...	44.067	+46.051	-5	b	...
...	20.793	-0.580	-2	...	...	...	32.258	+35.001	1.00	43.4943	9.9	...	44.074	-5.824	-5	m	...
...	20.871	-2.237	-5	m	...	...	32.314	-36.886	0.95	44.5078	10.2	N	44.102	-13.359	-1	44.5095	10.2
...	* +21.135	-16.870	1.20	44.5071	9.2	...	+32.422	-36.592	-5	m	...	...	+44.134	-38.963	-5	m	...
...	21.261	+3.202	-5	m	...	...	32.452	+42.177	0.90	43.4944	10.0	...	44.147	-12.827	1.15	44.5096	9.4
...	21.502	-16.774	-5	m	...	...	32.524	+26.341	-5	a	...	...	44.154	-33.622	-5	m	...
...	21.518	+57.695	-5	a	...	...	32.658	-49.243	-3	m	...	...	44.170	-11.764	-5	m	...
...	21.563	+26.426	-5	m	...	...	32.772	+43.594	-5	a	...	...	44.362	+24.732	0.65	43.4950	10.2
471	+21.932	+0.187	-5	m	...	531	+33.043	-24.362	1.30	44.5079	8.8	591	+44.516	-11.894	-5	m	...
...	22.705	-42.929	-5	m	...	...	33.054	+2.712	-5	...	...	...	44.527	+18.914	1.05	43.4951	9.8
...	22.934	-58.785	-5	...	...	...	33.082	-40.277	-2	44.5080	10.2	...	44.563	+42.219	-4	...	...
...	* 23.137	+18.089	1.20	43.4931	9.5	...	33.197	-29.754	-5	m	...	...	44.627	-41.577	-5	m	...
...	23.203	-50.875	-5	m	...	...	33.718	-50.361	-5	m	...	...	45.132	-50.446	0.75	44.5098	9.9
...	* +23.497	+35.582	1.00	43.4932	9.9	...	+33.745	+38.932	-5	b	...	S	+45.305	-31.804	1.25	44.5097	9.2
...	23.612	+27.640	-5	m	...	...	33.868	-32.073	-4	...	...	...	45.552	-10.284	-3	...	...
...	23.762	-32.039	-5	m	...	...	33.880	-45.732	0.95	44.5081	10.0	...	* 45.564	-46.803	2.10	44.5099	8.2
...	23.885	+44.093	-5	b	...	...	34.125	-54.880	-5	m	...	...	45.691	-50.121	-4	...	...
...	23.989	-28.865	-5	m	...	...	34.263	+42.938	-4	...	...	...	46.196	-5.124	-5	m	...
481	+24.004	-21.955	0.65	44.5072	10.2	541	+34.302	-11.460	-5	m	...	601	+46.521	+9.246	-5	m	...
...	24.261	-17.327	-5	m	...	...	34.342	+54.142	-5	42.4871	10.3	...	46.523	+35.725	-4	43.4952	10.2
...	24.361	-35.589	-5	...	...	...	34.355	-45.525	1.20	44.5082	9.4	...	* 46.586	-45.074	1.05	44.5100	9.7
...	24.596	-18.813	-5	m	...	...	34.377	+32.985	0.65	43.4945	10.2	...	46.645	+18.927	0.70	43.4953	10.0
...	24.802	-25.220	-5	...	...	...	34.419	+16.740	1.00	43.4946	10.2	...	* 46.787	-47.790	1.15	44.5101	9.6
...	+25.412	+40.011	-1	43.4933	10.2	...	+34.978	+11.295	-4	...	...	...	+48.093	-29.836	-4	...	...
...	25.506	-23.571	-5	m	...	...	35.248	+1.441	-5	...	...	...	48.304	+0.333	0.95	43.4954	10.0
...	25.672	+22.926	-1	43.4934	10.2	...	35.296	-27.217	-5	m	...	...	48.394	-10.638	-2	...	...
...	* 25.748	+3.373	1.05	43.4935	9.9	...	35.328	-39.154	0.80	44.5083	10.2	...	50.046	-52.114	-4	44.5103	10.2
...	26.056	+30.978	0.80	43.4936	10.0	...	35.354	-16.714	-3	...	...	...	* 50.057	+43.329	1.80	...	...
491	+26.071	-51.347	1.05	44.5073	9.8	551	+35.481	-8.962	-4	...	...	611	+50.120	+43.302	1.30	43.4955	8.4
...	26.576	+58.888	-5	...	...	...	35.716	-0.247	-5	m	...	...	50.622	-35.566	-1	44.5104	10.2
...	26.694	+1.930	-4	...	...	...	36.449	+49.812	-5	43.4947	10.2	...	51.214	-45.431	0.95	44.5105	9.7
...	26.883	+42.217	-4	...	...	...	* 36.977	-58.329	1.20	44.5085	9.6	...	51.539	-28.067	-5	c	...
S	26.965	+14.835	2.15	43.4937	8.2	...	* 37.122	-46.476	1.05	44.5084	9.6	...	51.650	-41.625	0.80	44.5106	9.9
...	+27.244	-20.945	-5	...	...	...	+37.604	-27.318	-4	...	...	...	+51.665	+29.321	-4	...	...
...	27.256	-24.722	-4	...	...	...	37.639	+6.702	-5	m	...	...	51.870	-27.216	-3	...	...
...	27.338	-38.169	0.65	...	...	...	37.945	-48.995	0.95	44.5087	10.0	...	52.465	-44.055	-5	e	...
...	27.427	+11.323	-5	m	...	...	38.103	-8.322	0.90	44.5086	10.2	S	52.558	+43.324	0.95	43.4956	9.9
...	27.814	+10.183	-5	m	...	...	38.932	+37.320	0.95	43.4948	10.0	...	52.839	-3.266	-1	43.4957	10.2
501	+27.849	+30.833	-4	...	...	561	+39.028	-58.787	-5	m	...	621	+53.330	-5.875	-5	c	...
...	28.191	+52.317	-3	...	...	...	39.105	-7.748	-5	m	...	...	* 53.484	-10.723	1.00	43.4958	10.0
...	* 28.650	-22.027	1.20	44.5074	9.5	...	39.220	-6.223	-5	m	...	...	53.602	-27.627	-5	c	...
S	28.787	-56.858	1.38	44.5075	9.1	...	39.594	+45.332	-5	a	...	...	54.152	-15.349	-5	c	...
...	28.804	+23.686	-3	...	...	...	40.314	-45.845	-4	...	...	...	* 54.299	-14.250	2.20	43.4959	8.0
...	* +28.951	+35.604	1.00	43.4938	9.9	...	+40.516	-35.401	-5	m	...	...	+54.428	-27.451	-5	m	...
...	29.132	+40.063	-5	b	...	...	40.573	-33.956	-2	44.5088	10.2	...	* 55.191	-26.504	1.10	44.5108	9.8
...	* 29.449	-46.965	1.00	44.5076	10.0	...	40.789	-40.198	0.95	44.5090	10.0	...	* 55.931	-52.723	1.45	44.5109	9.4
...	29.520	-2.535	0.75	43.4939	10.0	...	41.010	-8.663	0.65	44.5089	10.2	...	55.935	-48.555	-4	...	...
...	29.548	+52.478	-3	42.4864	10.3	...	41.011	+25.178	-5	...	...	...	56.201	-59.327	-5	42.4880	10.2

585. Obscure 2nd image of 587; 2nd image measured and corrected.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		...	No.	Mag.
631-640						641-645											
631	+56.807	-6.605	1.35	43.4960	9.2	641	+58.906	-36.237	-5	...	...	...	...	...	...	...	...
*	57.047	-19.573	-5	...	...	...	59.079	+59.024	-5	42.4892	10.3	...	...	...	...	...	...
...	57.106	-58.045	-5	...	...	*	59.672	-7.404	1.00	43.4963	9.2	...	...	...	...	...	...
...	57.858	+1.566	0.85	43.4961	10.2	*	59.685	-7.262	1.15	...	...	...	...	...	...	...	...
...	58.185	+4.252	-5	e	...	†	59.764	+11.608	5	...	...	...	...	...	...	...	...
...	+58.262	+15.947	0.85	43.4962	10.0												
...	58.511	-19.278	-5	m	...												
n	58.762	-41.263	-5	44.5110	10.2												
...	58.779	+27.299	-4	...	...										
n	58.904	-41.421	-5	44.5110	10.2												

638, 640. C.P.D., probably mass.

1-40						41-80						81-120						
I	-59.959	-45.279	0.95	44.5100	9.7	41	-48.162	+32.220	-3	...	...	81	-40.435	-42.847	-1	44.5122	10.2	
†	59.681	-48.001	1.10	44.5101	9.6	...	48.077	-11.346	-5	M	...	...	...	40.424	-4.532	0.75	43.4970	10.2
*	59.645	+0.159	0.80	43.4954	10.0	*	48.033	-7.223	0.90	...	...	...	...	40.364	-46.736	-5	M	...
...	59.213	-10.804	-2	...	...	*	48.016	-7.081	1.10	43.4963	9.2	...	...	40.132	-16.628	-5	M	...
...	59.189	+43.195	1.80	...	...	*	47.999	-1.295	1.60	43.4964	8.9	...	...	39.054	+58.381	-3	...	...
*	-59.103	+43.155	1.20	43.4955	8.4	n	-47.904	-41.101	-3	44.5110	10.2	...	...	-38.596	-28.304	-5	M	...
†	58.902	-30.024	-4	...	...	...	47.877	+39.054	-3	...	...	...	...	38.566	+36.353	-5	M	...
...	58.446	-42.750	-5	M	...	n	47.782	-41.245	-2	44.5110	10.2	...	...	38.511	-45.837	-4	B	...
...	57.141	+29.254	-2	...	...	...	46.722	+5.309	-2	...	...	...	...	38.422	-30.404	0.75	44.5124	10.2
S	56.664	+43.270	1.00	43.4956	9.9	...	46.697	+4.389	-4	M	...	...	...	37.981	+32.134	-5	M	...
II	-56.295	-52.219	-3	44.5103	10.2	51	-46.658	+20.494	-5	M	...	...	91	-37.848	+20.501	1.50	43.4971	9.2
...	56.224	-35.660	0.70	44.5104	10.2	...	46.628	+17.107	-4	M	...	...	S*	37.847	-16.560	1.25	44.5125	9.1
...	55.534	-28.144	-5	E	...	...	46.132	-3.922	-3	B	...	...	...	37.576	+6.305	-4	M	...
*	55.335	-45.504	1.00	44.5105	9.7	...	45.555	-55.810	1.00	44.5112	9.8	...	...	37.457	-2.593	0.70	43.4972	10.0
...	55.230	-27.280	-1	...	...	*	45.382	-33.825	0.90	44.5113	9.9	...	...	37.359	-16.118	0.85	44.5126	9.8
†	-55.013	-41.686	0.85	44.5106	9.9	α	-45.120	0.745	0.65	43.4965	10.2	...	...	-37.290	-35.842	-5	M	...
†	54.996	-3.305	0.70	43.4957	10.2	†	44.992	-44.624	0.90	44.5114	9.8	...	...	37.256	-33.172	0.65	...	...
...	54.771	+10.707	0.70	43.4958	10.0	*	44.685	-23.713	1.05	44.5115	9.6	...	...	36.594	+1.372	-3	...	...
...	54.414	-5.889	-4	E	...	...	44.586	-10.561	-5	M	...	...	...	36.529	-3.098	0.85	43.4974	10.2
...	54.141	-44.078	-4	E	...	...	44.536	+34.872	-5	M	...	...	...	36.431	+1.413	1.05	43.4973	9.8
2I	-54.036	+14.236	3.00	43.4959	8.0	61	-43.994	-50.973	-4	...	...	101	-36.091	-14.067	0.75	44.5128	10.0	
...	53.484	-27.629	-5	E	...	...	43.756	-33.288	-4	...	...	...	...	35.988	+52.640	0.75	42.4907	10.3
...	53.461	+59.375	-1	42.4889	10.2	...	43.573	+40.182	-4	B	...	...	...	35.751	-49.572	-3	...	...
...	53.324	-15.334	-4	E	...	...	43.330	-46.029	0.80	44.5116	10.2	...	...	35.644	+25.028	0.80	43.4975	10.2
*	51.935	-26.454	1.00	44.5108	9.8	*	43.295	+0.539	0.95	43.4966	9.9	...	...	35.448	-26.458	0.90	44.5129	9.8
*	-50.915	-6.520	1.30	43.4960	9.2	†	-43.101	-49.950	-4	...	...	...	...	-35.265	-39.267	1.05	44.5130	9.6
...	50.630	+59.166	-3	42.4892	10.3	...	42.868	+41.752	0.90	43.4967	9.8	...	...	34.940	-29.380	-5	M	...
...	50.521	-48.484	-2	...	...	...	42.796	-10.835	-2	...	...	...	...	34.369	+1.331	0.65	43.4976	10.2
*	50.389	-52.658	1.40	44.5109	9.4	...	42.732	+4.502	-5	M	...	...	...	34.306	+0.979	-4	M	...
...	50.288	-19.480	-4	...	...	...	42.699	+7.934	-5	M	...	...	...	33.900	-21.708	-1	...	...
3I	-50.141	+16.069	0.85	43.4962	10.0	71	-42.453	-15.153	0.80	44.5118	9.8	...	...	-33.461	+59.077	-4	...	...
...	50.114	+1.674	0.70	43.4961	10.2	...	42.217	+20.921	0.65	43.4968	10.2	...	...	33.241	-35.027	-4	B	...
†	49.967	+27.437	-3	...	...	*	41.816	-10.279	1.15	44.5119	9.4	...	...	33.206	-9.516	-4	B	...
...	49.866	+4.383	-5	E	...	...	41.601	-7.098	-1	43.4969	10.2	...	...	33.157	+23.811	-5	M	...
...	49.673	+50.922	-4	B	...	...	41.509	-21.914	-1	...	...	...	...	33.040	+19.492	-5	M	...
...	-49.054	-57.927	-5	...	...	...	-41.424	+56.213	-3	...	...	...	...	-32.604	-33.584	-3	...	...
...	48.527	+11.782	-2	...	...	...	41.337	-26.937	-4	A	...	...	...	32.101	-40.129	0.90	44.5132	9.7
...	48.495	+14.030	-4	...	...	...	41.057	-40.050	-2	44.5120	10.2	...	...	30.895	-35.372	-4	...	...
...	48.327	+6.258	-4	M	...	*	40.831	-51.280	1.10	44.5121	9.7	...	...	30.431	-38.612	-5	M	...
...	48.208	-23.670	-5	M	...	...	40.630	+45.484	0.70	...	...	...	...	30.326	-31.430	-4	A	...

MC measured from 1, 122, 271, 398.
ES " " 57, 203, 338, 465.

46, 48. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
121-180						181-240						241-300						
121	-30.267	+ 9.297	- 5	...	...	181	-19.147	+44.157	- 5	0	M	...	241	- 7.050	- 4.214	- 3	0	...
...	29.940	- 3.523	- 1	43.4977	10.2	...	18.793	+52.068	- 5	...	M	...	...	6.921	+22.828	- 1	43.4995	10.2
N	29.849	-27.400	0.80	...	...	*	18.692	-15.787	1.00	44.5155	9.4	...	...	5.733	- 6.126	0.95	43.4996	9.7
N*	29.835	-27.351	0.90	44.5135	9.6	...	18.670	-36.779	- 5	...	M	...	...	5.500	+31.921	- 2	43.4997	10.2
*	29.759	-30.589	2.70	44.5136	8.1	...	18.261	+51.818	- 3	...	...	...	*	5.313	+36.132	0.95	43.4998	9.7
...	-29.742	- 8.579	- 4	B	...	...	-17.695	-33.328	0.70	44.5156	10.2	...	...	- 5.004	+19.804	- 4	...	...
*	29.611	+ 4.797	1.60	43.4978	9.3	...	17.676	-21.587	0.70	44.5157	10.0	...	...	4.991	-41.323	- 5	M	...
...	29.467	+57.351	- 4	...	...	*	17.520	- 6.232	1.40	43.4986	9.2	...	...	4.098	+54.399	- 3	...	...
*	29.441	- 8.418	1.00	44.5137	9.6	...	17.417	-53.199	- 5	...	M	...	*	3.914	+ 2.154	1.10	43.4999	9.5
...	29.366	+32.119	- 3	...	...	...	16.866	+21.458	0.85	43.4987	9.9	...	...	3.895	-54.807	- 4	...	...
131	-29.210	-25.056	0.65	44.5138	9.8	191	-16.724	+38.014	- 5	...	M	...	251	- 3.624	-23.020	0.80	44.5178	9.8
...	28.981	+53.240	- 2	...	...	...	16.627	+34.466	0.65	43.4988	10.2	...	S*	3.393	+51.118	1.50	43.5000	9.0
...	28.976	-45.870	- 4	B	...	...	16.308	-35.466	- 5	...	M	...	...	3.332	-46.156	- 5	M	...
...	28.884	-59.124	- 3	...	...	...	15.972	-26.901	0.70	44.5159	10.2	...	...	3.011	-39.978	- 4	...	...
*	28.861	-33.475	1.00	44.5139	9.4	...	15.917	+30.719	0.90	43.4989	9.8	...	*	2.989	-43.326	0.90	44.5179	9.8
...	-28.821	+ 5.770	- 4	...	...	*	-15.817	+59.198	1.80	42.4927	8.9	...	...	- 2.680	-59.656	- 5	M	...
...	28.659	-13.670	- 4	44.5140	10.2	...	15.785	-40.094	- 1	44.5160	10.2	...	...	2.337	+32.327	- 4	...	...
...	28.530	- 1.204	- 5	M	...	...	15.517	-59.408	0.80	44.5161	10.0	...	...	2.076	-59.068	0.70	44.5180	10.2
...	28.106	-42.730	- 5	M	...	...	15.494	+20.641	- 5	...	M	...	...	1.982	-43.273	0.65	44.5181	10.2
...	27.803	-38.745	- 1	44.5141	10.2	...	15.220	-45.871	0.70	44.5162	10.0	...	...	1.839	-32.332	- 3	44.5182	10.2
141	-27.705	-31.066	- 4	B	...	201	-15.187	-22.633	0.75	44.5163	9.9	...	261	- 1.610	-19.994	- 2	44.5184	10.2
...	27.687	+45.135	0.85	43.4979	10.0	...	15.111	-23.755	- 3	...	...	...	...	1.600	-10.522	0.65	44.5183	10.2
...	27.523	+51.035	- 4	A	...	...	14.769	+28.204	0.85	43.4990	9.9	...	...	1.328	+17.711	- 5	M	...
...	27.297	-30.007	- 4	B	...	*	14.677	+58.127	1.15	42.4930	9.7	...	...	1.258	+40.025	0.65	...	...
...	27.166	-50.647	- 3	...	...	...	14.359	-17.340	2.10	44.5164	8.6	...	...	1.047	+22.209	- 1	...	...
S*	-27.088	-56.565	1.20	44.5142	9.4	...	-13.932	+19.106	0.85	43.4991	10.0	...	...	- 0.717	-49.753	- 4	44.5185	10.2
...	26.810	-56.069	0.65	44.5143	10.2	...	13.486	-41.095	- 3	...	C	...	*	0.550	+ 4.167	1.05	43.5001	9.7
...	25.687	-39.263	- 2	...	...	...	13.428	- 6.021	- 5	...	M	...	...	0.543	-57.128	- 5	M	...
S*	25.488	+57.638	1.80	42.4917	8.7	...	13.299	+17.653	- 5	...	...	...	...	0.458	+42.997	0.65	...	...
*	25.243	+46.433	0.95	43.4980	9.8	...	12.870	+ 3.045	0.85	43.4992	10.0	...	S*	- 0.315	-25.613	1.70	44.5186	8.7
151	-24.904	-36.650	1.70	44.5144	9.0	211	-12.851	-50.144	- 5	...	M	...	271	+ 0.010	+29.753	- 1	43.5002	10.2
...	24.805	+14.800	- 2	...	...	...	12.578	-17.869	- 4	44.5165	10.2	...	...	0.071	-45.175	- 1	44.5187	10.2
...	24.423	-56.956	- 5	M	...	...	12.283	+31.496	- 4	...	...	...	...	0.199	-43.563	- 4	M	...
*	24.107	-39.619	0.90	44.5145	9.6	...	12.262	+11.064	- 5	...	...	...	...	0.237	-33.470	- 4	M	...
N	24.104	+29.347	0.90	43.4981	9.7	...	12.134	-19.743	- 5	...	M	...	...	0.258	-49.287	0.65	44.5188	10.2
...	-23.992	-26.473	- 4	B	...	...	-12.128	+54.469	0.70	42.4935	10.3	...	*	+ 0.978	- 9.279	2.60	44.5189	8.3
...	23.821	-38.835	- 5	M	...	...	12.084	-53.231	- 5	...	M	...	...	1.163	+11.998	- 4	...	...
*	23.592	-39.084	0.90	44.5146	9.6	...	12.064	-56.238	- 5	...	M	...	...	1.375	-18.767	- 3	M	...
...	23.373	+52.438	0.70	42.4919	10.2	...	11.882	-48.964	- 3	...	...	...	...	1.606	-57.945	0.65	44.5190	10.2
...	23.329	+13.529	0.85	43.4982	9.9	...	11.729	- 5.536	- 5	...	M	...	...	2.120	-56.793	- 5	M	...
161	-23.200	-57.913	- 5	M	...	221	-11.617	+21.448	- 3	...	...	...	281	+ 2.161	-26.734	- 1	44.5191	10.0
...	22.609	-37.071	- 4	B	...	...	11.129	+10.835	- 5	43.4993	10.2	...	...	2.316	+ 8.438	- 4	...	...
...	22.114	-36.449	- 4	...	...	...	11.015	+12.753	- 5	...	...	...	...	2.748	-55.918	- 5	M	...
...	22.059	-16.381	0.85	44.5147	9.8	S*	10.993	+ 7.201	2.70	43.4994	8.2	...	...	3.263	-55.376	- 5	M	...
...	21.866	+32.699	0.70	43.4983	10.0	...	10.924	-52.540	0.90	44.5166	9.9	...	...	3.608	-17.754	0.85	44.5193	9.8
...	-21.834	+29.814	- 5	...	...	*	-10.421	-10.534	1.35	44.5167	9.4	...	...	+ 4.217	-19.882	- 3	44.5194	10.2
*	21.735	-38.033	0.95	44.5148	9.6	...	10.278	+37.121	- 5	...	M	...	...	4.339	-50.897	- 4	...	...
...	21.516	+45.414	- 1	43.4984	10.2	...	10.012	-26.898	0.90	44.5168	9.7	...	...	4.448	+57.787	- 2	42.4951	10.3
...	21.486	-23.999	- 3	44.5149	10.2	*	9.940	-41.992	0.95	44.5169	9.7	...	...	4.789	-16.335	- 4	M	...
*	21.429	-40.148	0.85	44.5150	9.8	...	9.160	+49.378	- 1	...	...	...	...	6.200	-13.593	0.80	44.5195	9.9
171	-21.320	-57.645	0.70	44.5151	10.2	231	- 8.994	-37.259	- 1	...	...	...	291	+ 6.269	-55.577	- 4	M	...
...	21.271	-37.195	- 4	...	...	...	8.932	-36.051	- 4	...	B	...	...	6.411	-26.792	- 3	44.5196	10.2
...	20.645	+30.986	- 5	M	...	...	8.719	+40.982	- 3	...	...	...	...	6.419	+39.848	0.90	43.5003	9.8
*	20.621	+56.732	1.80	42.4921	8.9	...	8.716	-13.336	0.65	44.5171	10.2	...	...	6.477	-14.611	1.00	44.5197	9.7
...	20.609	-51.581	0.75	44.5152	10.2	...	8.590	-49.933	0.70	44.5172	10.2	...	...	6.498	+50.794	- 4	...	...
α*	-20.245	+ 0.141	1.00	43.4985	9.8	...	- 8.452	- 9.206	0.90	44.5175	9.8	...	...	+ 6.541	-56.495	- 4	...	...
*	19.973	-58.252	1.00	44.5153	9.5	...	8.301	-38.596	0.65	44.5174	10.2	...	...	6.813	- 24.311	- 1	43.5004	10.2
...	19.688	-55.449	- 4	B	...	...	7.858	+ 5.940	- 4	...	...	...	...	7.333	-34.189	- 3	...	...
...	19.648	+52.551	0.70	42.4925	10.3	...	7.587	-35.010	- 5	...	...	...	...	7.586	+26.880	0.65	43.5005	10.2
...	19.638	-46.589	- 2	...	...	...	7.498	-18.242	- 5	...	M	...	...	7.676	-21.728	0.80	43.5006	9.9

123, 124. 45°-65, mass.

155. Mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.								
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.							
301-360						361-420						421-480												
301	+	7·800	-13·094	0·95	44·5198	9·8	361	+	20·171	-36·346	-5	...	...	421	+	35·282	-50·645	-3	44·5234	10·4		
...	...	7·801	-54·098	-1	44·5199	10·2	...	...	20·225	-15·619	0·65	44·5212	10·0	S *	...	36·027	-46·896	1·90	44·5235	8·6		
*	...	7·888	+20·331	1·20	43·5007	9·5	...	...	20·236	-11·826	0·90	44·5211	10·0	...	...	36·106	+52·587	0·90	42·4976	10·1
*	...	8·078	-1·590	1·00	43·5008	9·8	...	...	20·850	+3·460	-4	...	...	...	...	36·730	-45·773	-3	...	...		
...	...	8·868	+8·027	-4	...	...	...	...	21·549	-50·283	-2	44·5214	10·2	*	...	36·939	+0·301	1·00	43·5040	9·8
...	+	8·875	+6·588	-2	43·5009	10·2	...	+	22·164	-33·182	-5	...	...	...	+	37·059	+22·968	-4	...	...		
...	+	9·237	+3·995	-4	43·5010	10·2	...	...	22·447	-33·262	0·75	44·5215	10·2	...	...	37·380	+1·773	-4	...	...		
†	...	9·450	+34·807	-5	...	...	...	...	22·520	-46·278	-2	...	...	...	...	37·399	+15·622	-4	...	...		
...	...	9·468	-35·933	-5	...	...	...	...	23·024	-25·201	-4	...	...	...	...	37·824	+5·599	-3	...	...		
*	...	9·701	+14·195	1·10	43·5012	9·5	*	...	23·445	+21·539	1·35	43·5026	9·5	...	...	37·954	-2·473	-5	...	...		
311	†	+	9·821	+50·802	1·00	43·5011	9·7	371	...	+	24·251	-32·834	-3	44·5216	10·2	431	...	+	38·435	-51·241	0·85	44·5236	10·3	
...	...	10·115	+54·695	-5	24·301	-50·823	-4	38·633	+46·727	0·75	43·5041	10·4			
...	...	10·713	-47·048	-4	*	...	24·320	-27·397	0·90	44·5217	9·9	38·802	+51·464	1·00	44·5042	10·2			
...	...	10·769	+50·346	-4	24·430	-16·629	-4	44·5218	10·2	*	38·897	-48·651	1·20	44·5238	9·5			
...	...	10·892	-20·400	-4	24·482	-33·446	-3	39·195	+47·352	0·90	43·5043	10·4			
...	+	11·480	+33·523	-5	...	...	*	+	24·497	-19·700	1·25	44·5219	9·4	...	+	40·208	-6·018	-4	...	...		
...	...	11·554	+31·195	-4	...	...	...	...	24·644	+25·875	-4	...	...	...	...	40·333	-3·991	-1	43·5045	10·4
...	...	11·618	+1·828	-2	43·5013	10·2	...	...	24·648	-8·969	-2	44·5220	10·2	...	...	40·421	+20·570	-1	43·5044	10·4
...	...	11·838	+13·629	-1	43·5014	10·2	...	...	24·961	+15·373	-2	43·5027	10·4	...	...	40·794	+42·660	-4	...	...		
†	...	12·070	-10·097	1·20	44·5201	9·2	*	...	24·976	-10·647	1·20	44·5221	9·5	...	...	40·808	+56·160	-3	...	...		
321	*	+	12·157	+52·640	1·40	42·4964	9·2	381	*	+	24·986	-49·088	2·00	44·5222	8·5	441	...	+	40·829	-7·835	0·90	43·5046	10·0	
...	...	12·297	+31·562	-5	25·371	-27·759	-5	40·995	-19·867	0·70	44·5240	10·4			
...	...	12·421	-11·035	0·70	44·5202	10·0	25·479	-50·470	-5	S *	41·577	-24·207	2·70	44·5242	8·3			
...	...	12·434	-42·229	-5	25·828	+46·773	-4	41·597	-44·266	0·90	44·5243	10·0			
S *	...	12·817	+13·368	2·10	43·5015	8·6	26·345	-37·338	-2	*	41·603	+26·810	0·90	43·5047	10·0		
*	...	+13·015	-3·403	1·20	43·5016	9·6	+26·567	-53·673	-2	+	42·056	+43·156	-4			
...	...	13·093	+42·365	-3	26·804	-22·336	0·90	44·5224	10·0	*	42·132	-16·103	1·00	44·5244	9·9			
...	...	13·317	-9·328	-1	44·5203	10·0	26·838	-14·497	0·90	44·5223	10·0	42·497	-4·036	-1	43·5048	10·4			
...	...	13·522	+42·139	-2	43·5017	10·2	26·953	-31·841	-5	42·506	+55·106	-5			
...	...	13·627	+41·157	-4	27·065	+41·169	-4	*	42·607	-59·289	2·00	44·5245	8·5			
331	...	+	13·801	+19·148	-4	391	...	+	27·727	-55·697	-5	451	...	+	42·625	-44·294	-3	
...	...	13·884	-15·700	-5	28·031	+15·598	-4	43·5028	10·4	43·229	+3·695	-4		
...	...	14·154	+56·644	0·90	42·4966	10·1	28·429	-55·745	-3	*	43·536	-18·386	1·00	44·5246	9·9		
...	...	14·558	-48·955	-4	28·829	+16·646	0·75	43·5029	10·2	43·793	+1·653	-4		
...	...	14·605	+16·814	-1	43·5018	10·2	*	...	28·831	-16·622	3·60	44·5225	7·4	43·814	-32·579	0·80	44·5247	10·4		
...	+	14·632	-44·148	-5	*	+	29·391	-57·472	1·00	44·5226	9·4	+	43·939	+36·038	-2		
...	...	14·731	-57·906	0·80	44·5205	10·0	*	...	29·476	+26·457	1·00	43·5030	9·9	*	44·027	+34·314	0·90	43·5049	10·0		
*	...	15·058	+42·460	1·00	43·5019	9·7	29·911	-1·374	0·85	43·5032	10·0	44·263	+48·207	-4		
...	...	15·286	-53·791	-4	29·968	+30·616	-4	44·321	-30·972	0·95	44·5248	9·8		
...	...	15·766	-26·376	-4	*	...	30·000	+45·306	1·60	43·5031	8·9	44·442	+46·034	-3		
341	...	+	15·925	+45·150	0·65	401	...	+	30·183	-12·960	0·70	44·5227	10·3	461	...	+	44·499	+29·142	-4	
*	...	16·204	-41·501	1·40	44·5206	9·0	30·465	-46·638	-5	44·513	+4·486	0·80	43·5051	10·0		
*	...	16·348	+55·015	1·25	42·4968	9·4	30·554	+34·956	0·90	43·5033	10·0	44·523	+10·479	-3	43·5050	10·4		
...	...	16·425	+3·920	-4	43·5020	10·2	30·734	+32·954	-4	44·560	-22·359	0·95	44·5250	9·8		
*	...	16·656	-44·388	1·00	44·5207	9·7	30·747	+41·814	0·80	43·5034	10·0	n †	44·837	-52·522	1·90	44·5251	9·0		
...	+	16·769	+50·799	-2	*	+	30·764	+19·974	0·90	43·5036	10·0	*	+	44·841	-12·917	1·05	44·5249	9·7	
...	...	16·778	+38·740	0·85	43·5021	10·0	*	...	30·801	-41·670	1·00	44·5229	9·8	45·111	-27·671	-4	
...	...	17·018	-27·522	-5	30·829	+42·134	0·90	43·5035	10·0	n	45·165	-52·455	0·70	44·5251	9·0	
...	...	17·073	+51·807	-4	31·096	-15·722	0·90	44·5230	9·9	S *	45·351	+34·235	1·30	43·5052	9·3	
...	...	17·142	+40·337	-4	31·234	-36·303	-4	45·405	-20·250	-5	
351	...	+	17·255	+38·270	0·80	43·5022	10·0	411	...	+	32·365	-17·314	-3	44·5231	10·4	471	...	+	45·883	+22·545	-4	
...	...	17·450	+22·892	0·85	43·5023	9·8	α †	...	32·455	-0·043	0·65	43·5038	10·3	45·988	-22·599	-4	
...	...	18·125	-45·350	-4	*	...	32·508	+36·851	1·20	43·5037	9·3	*	46·080	+22·709	1·00	43·5054	9·9	
...	...	18·171	-45·985	-4	33·818	-46·909	-5	46·163	+50·936	-1	43·5053	10·4	
...	...	18·270	+51·166	-1	34·202	-11·979	-1	44·5232	10·4	46·841	-33·566	-5	
*	...	+18·436	-32·760	1·00	44·5208	9·6	+34·488	+29·440	-4	+	46·904	-0·755	0·75	43·5056	10·2
...	...	19·038	+32·989	0·65	43·5024	10·2	†	...	34·757	-44·087	-5	47·110	-8·580	-4
...	...	19·380	+2·560	-4	43·5025	10·2	34·911	+51·541	-5	47·218	+22·168	0·70	43·5055	10·4
...	...	19·74																						

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
481-500						501-520						521-534					
481	+48.264	-41.559	-5	...	...	501	+52.614	-2.130	-2	...	...	521	+56.504	-44.212	-5	...	...
...	48.767	-36.648	0.70	44.5253	10.4	...	52.627	-56.877	1.80	44.5257	8.9	...	56.512	-1.668	-2	...	...
*	48.767	+0.116	1.00	43.5057	9.8	...	52.795	-39.585	-3	...	...	...	56.600	-33.359	-4	...	...
...	48.808	+53.040	1.05	42.4985	10.0	...	53.232	-43.091	0.75	44.5258	10.4	*	56.816	-14.611	1.50	44.5260	9.0
...	49.036	-20.077	-5	...	...	...	53.489	+46.888	-5	...	...	...	57.384	-13.643	-2	...	...
...	+49.162	-47.495	-5	...	...	...	+53.718	-31.685	-5	...	...	...	+57.550	+4.058	-5	...	...
*	49.299	-32.007	0.90	44.5254	10.2	...	53.830	-30.613	-2	...	...	...	57.954	-15.558	0.65	44.5262	10.4
...	49.347	-25.075	-3	...	...	...	53.937	-7.742	-4	...	...	...	58.296	-3.225	-4	...	...
†	49.755	+10.458	-2	...	...	*	54.534	+6.845	0.90	43.5060	10.4	...	58.592	-13.110	0.70	44.5263	10.3
...	50.086	-4.812	-5	...	...	...	54.639	-40.928	-5	...	...	*	58.672	-55.359	1.60	44.5265	9.6
491	+50.313	+56.724	-5	...	...	511	+54.707	+38.650	-1	...	...	531	+58.733	-48.937	1.80	44.5266	9.4
...	50.831	+17.236	-5	...	...	†	54.715	+10.782	0.65	43.5061	10.4	...	59.138	-47.788	0.70	44.5267	10.4
...	51.124	+50.538	-5	...	...	...	54.796	-44.567	-5	...	...	...	59.245	-3.440	-4	...	...
*	51.465	+5.974	0.90	43.5058	10.0	...	55.194	-27.528	-3	...	...	S*	59.469	+43.240	4.50	43.5062	6.8
...	51.659	-23.827	0.80	44.5255	10.4	...	55.550	+2.438	-4	...	...	...	...	...	...	...	...
†	+51.754	+14.852	0.75	43.5059	10.3	...	+55.574	+49.188	-4	...	...	...	...	...	...	...	...
...	51.756	-52.536	-4	...	...	...	55.654	+11.285	-5	...	...	...	...	...	...	...	...
...	52.064	+2.142	-3	...	...	...	55.691	+58.296	1.15	42.4994	10.0	...	...	...	...	...	...
...	52.308	+47.254	-4	...	...	...	55.700	-15.272	-5	...	...	...	...	...	...	...	...
...	52.519	-35.799	-3	...	...	...	56.419	-34.037	-5	...	...	...	...	...	...	...	...

1-30						31-60						61-90					
I						31						61					
F*	-59.169	-0.020	1.05	43.5057	9.8	S*	-45.833	-22.746	1.95	44.5271	8.0	...	-31.596	-29.978	0.90	44.5292	10.0
...	58.493	+10.339	-5	...	...	...	45.267	-48.808	0.65	44.5272	10.0	...	30.785	+44.938	0.90	43.5079	9.9
...	58.055	-36.785	-4	44.5253	10.4	...	45.098	-39.519	-5	...	...	S*	30.680	-5.336	1.95	43.5077	8.4
...	57.655	-32.138	0.90	44.5254	10.2	†	45.093	+25.529	-5	...	...	...	30.619	+0.263	-5	43.5078	10.4
...	56.644	+5.905	0.80	43.5058	10.0	*	44.577	+15.469	1.30	43.5068	9.0	...	29.827	+10.440	-3	43.5081	10.0
...	-56.636	+14.779	-4	43.5059	10.3	*	-44.215	-49.515	1.50	44.5273	8.9	*	-29.811	-4.951	1.25	43.5080	9.7
...	55.553	-23.902	-2	44.5255	10.4	*	43.994	-20.271	1.05	44.5275	9.8	...	29.651	-10.239	-3	44.5294	10.4
...	54.010	+58.333	-3	42.4994	10.0	...	43.753	-60.159	0.70	44.5274	9.9	*	28.694	+49.126	2.00	43.5082	8.8
...	53.616	+6.869	-3	43.5060	10.4	*	43.684	+21.155	1.30	43.5069	8.9	...	28.283	-29.217	-5	...	...
*	53.576	-56.884	1.80	44.5257	8.9	...	43.409	-11.333	-5	...	...	...	27.715	+38.648	-4	43.5083	10.2
II						41						71					
...	-53.543	+10.800	-4	43.5061	10.4	...	-42.201	+36.459	-5	43.5070	10.4	...	-27.019	+23.789	-4	43.5084	10.4
...	53.394	-43.096	-4	44.5258	10.4	...	41.495	-46.743	-4	44.5277	10.4	...	26.581	-20.626	-5	...	...
...	53.177	-30.616	-5	...	...	...	39.582	-43.713	-5	44.5279	10.4	*	25.959	-23.470	1.20	44.5296	9.4
...	51.906	-27.486	-5	...	...	*	39.330	-3.947	1.05	43.5071	9.8	*	25.917	+21.808	1.10	43.5085	9.9
...	51.361	-1.596	-5	...	...	*	38.750	-5.914	1.00	43.5072	10.2	...	24.251	-4.551	-3	43.5086	10.4
*	-50.652	-14.523	1.20	44.5260	9.0	...	-38.628	-46.908	-4	44.5280	10.4	...	-23.958	-36.558	-5	...	...
...	49.775	+57.242	0.85	42.4998	9.8	...	38.471	+27.551	-4	43.5073	10.2	*	23.873	+39.735	1.70	43.5087	8.7
S*	49.750	+43.407	3.85	43.5062	6.8	*	38.261	-7.833	1.00	43.5074	10.0	...	23.810	-43.635	-5	44.5297	10.4
...	49.498	-15.423	-4	44.5262	10.4	...	37.189	-59.389	-5	44.5281	10.2	...	23.578	-43.582	-4	...	...
...	48.936	-12.971	-4	44.5263	10.3	...	36.363	+11.155	-4	43.5075	10.4	...	23.417	-27.535	-5	...	...
2I						51						81					
...	-48.620	+14.843	-3	43.5063	10.4	*	-36.105	+10.200	1.50	43.5076	9.2	*	-23.373	-42.158	1.00	44.5298	9.9
...	48.012	+56.100	0.95	42.4999	9.8	...	35.646	-44.792	-4	44.5283	10.2	...	23.250	+4.930	-3	43.5088	10.4
...	47.852	+41.302	-5	43.5064	10.4	*	35.585	-39.141	1.00	44.5284	10.0	...	22.716	-33.188	-4	44.5299	10.4
*	47.693	-48.771	1.30	44.5266	9.4	...	35.180	-52.036	0.95	44.5285	10.0	...	22.715	+15.665	-5	43.5089	10.4
...	47.647	+32.584	-5	43.5065	10.4	...	34.907	-52.198	-4	44.5286	10.3	...	22.292	-8.732	-5	...	...
*	-47.568	-55.187	1.15	44.5265	9.6	...	-33.638	+52.050	0.95	42.5013	10.0	...	-21.887	+6.090	-1	43.5090	10.0
...	47.336	-47.607	-5	44.5267	10.4	...	33.502	-33.831	0.90	44.5287	10.0	...	21.834	-29.974	-4	...	...
...	47.131	-17.686	1.00	44.5269	10.2	...	33.051	-58.781	-4	44.5288	10.2	...	21.461	-36.881	0.65	44.5300	10.0
...	46.420	+26.569	-5	43.5066	10.4	...	32.607	-48.152	-5	44.5289	10.4	...	21.401	+4.089	-5	...	...
...	46.108	+11.339	0.65	43.5067	10.3	*	32.026	-37.261	1.15	44.5290	9.7	...	21.401	-43.378	-5	...	...

§ 10^m.6 = D, -5.

SB measured from 1, 95, 239.
E 43. 173.

Notes.	Co-ordinates.		Diam. §	C.P.D.		Notes.	Co-ordinates.		Diam. §	C.P.D.		Notes.	Co-ordinates.		Diam. §	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-21.273	+22.808	0.70	43.5091	10.0	151	+1.179	-49.643	1.30	44.5321	9.3	211	+26.154	+46.738	-4	43.5155	10.3
...	21.034	-37.529	0.80	44.5301	10.0	...	1.189	+38.384	-4	43.5127	10.4	...	26.243	-12.018	-5	...	...
...	20.986	+21.933	-5	43.5092	10.4	...	1.594	-6.517	-5	43.5128	10.4	...	26.841	+36.397	-4	43.5156	10.4
...	20.645	+8.277	-5	43.5093	10.4	...	1.868	+51.372	-4	43.5129	10.4	...	27.276	+1.628	0.70	43.5157	10.0
...	19.945	+24.887	-5	...	...	S*	2.209	-27.663	1.18	44.5322	9.3	...	27.472	+10.281	0.70	43.5158	10.2
+	-19.839	-46.952	1.10	44.5303	9.7	†	+2.648	+44.580	-3	43.5130	10.4	...	+28.128	-54.883	-4	44.5341	10.4
*	19.660	+49.146	1.70	43.5094	8.6	*	2.713	-5.932	1.00	43.5131	10.0	...	28.200	-50.369	-4	44.5342	10.3
...	19.592	-47.493	-3	44.5304	10.4	...	2.944	-30.752	-5	44.5323	10.4	...	28.578	-21.283	-1	44.5343	10.2
...	19.476	-14.194	-3	44.5305	10.4	...	3.221	+1.382	1.10	43.5132	9.8	...	28.890	-15.382	-2	44.5344	10.2
...	19.301	+25.774	-4	43.5095	10.4	...	3.533	+43.095	-5	43.5133	10.4	*	29.853	+26.824	1.15	43.5159	9.8
101	-19.075	+56.811	1.00	42.5025	10.0	161	+4.714	+8.701	0.70	43.5134	10.0	221	+29.940	+57.658	-4	42.5079	10.3
...	19.067	-37.284	0.65	44.5306	10.2	...	4.790	+22.872	-5	...	...	...	30.174	-42.840	-5	44.5345	10.4
...	18.144	-7.640	-2	43.5096	10.3	...	4.851	+37.792	-4	43.5135	10.4	...	30.602	+40.552	-5	43.5160	10.4
+	18.026	+29.459	1.10	43.5098	9.6	...	5.051	+50.348	-5	43.5136	10.4	...	30.773	-19.846	-4	44.5346	10.4
+	17.978	-36.100	0.75	44.5309	10.2	...	5.099	+55.650	0.65	42.5049	10.0	...	31.857	-53.986	0.65	44.5347	10.0
S*	-17.939	+7.844	1.40	43.5097	8.7	...	+5.367	+47.803	-5	43.5137	10.4	...	+32.153	+23.513	-5	43.5161	10.4
S*	17.122	-54.460	2.00	44.5310	8.3	...	7.511	-41.055	0.80	44.5324	10.0	...	32.333	-28.247	0.65	44.5348	10.2
...	16.045	+4.836	0.70	43.5099	10.0	...	8.019	-43.915	-5	...	...	...	32.414	-14.937	-5	...	...
*	15.821	+23.878	1.00	43.5100	9.8	...	8.826	-13.747	1.00	44.5325	10.2	...	33.175	-55.605	-5	44.5349	10.4
+	15.129	+9.487	1.00	43.5101	9.8	*	8.960	-59.892	1.00	44.5326	10.0	†	34.588	-20.111	-5	44.5350	10.4
111	-14.615	-22.651	1.40	44.5311	9.0	171	+9.221	+20.604	1.00	43.5138	10.0	231	+34.893	-15.796	1.05	44.5351	9.7
...	14.607	-14.546	-5	44.5312	10.4	...	9.434	-27.468	-3	44.5327	10.4	...	35.725	+24.265	-5	43.5162	10.4
...	14.030	-42.164	-5	...	...	...	9.937	-24.996	-5	...	...	...	35.821	-14.383	-3	44.5352	10.4
...	13.856	-34.783	-5	...	...	α	11.290	+0.298	0.65	43.5139	10.2	...	37.574	-17.093	-5	44.5353	10.4
...	12.856	-3.314	0.90	43.5102	10.0	*	11.367	-57.901	1.20	44.5329	9.5	...	37.675	+16.978	-2	43.5163	10.2
*	-12.376	+19.219	1.00	43.5103	9.9	...	+11.691	-38.559	-5	44.5330	10.4	*	+37.762	-49.280	1.05	44.5354	9.9
†	11.849	+54.411	-5	42.5033	10.5	...	12.002	+54.201	-1	42.5058	10.2	...	37.867	+3.811	-2	43.5164	10.3
*	11.449	-42.331	1.20	44.5314	9.3	...	12.102	+38.200	-5	43.5140	10.4	...	38.502	+16.971	-2	43.5165	10.2
*	11.118	+29.977	1.00	43.5104	10.2	...	12.168	-18.779	-2	44.5331	10.0	...	39.558	+57.258	-5	42.5090	10.3
...	9.975	+14.369	0.65	43.5105	10.2	S*	12.670	-40.900	1.90	44.5332	8.6	*	40.002	-4.763	1.05	43.5166	9.8
121	-9.111	+3.193	-5	43.5106	10.4	181	+14.586	+27.398	1.05	43.5142	9.5	241	+40.663	-17.518	-2	44.5355	10.2
*	8.855	+2.687	1.15	43.5107	9.4	†	14.630	+38.556	0.90	43.5141	9.8	...	41.447	+39.480	-3	43.5167	10.2
...	7.823	+35.951	-4	43.5108	10.4	†	14.820	-19.869	-5	44.5333	10.4	...	41.447	+23.970	-5	43.5168	10.4
...	7.799	+5.072	-5	...	...	...	15.427	-57.285	-5	44.5334	10.4	...	42.051	+32.654	-2	43.5169	10.2
...	7.610	+40.798	-2	43.5109	10.3	...	15.524	-17.486	-5	...	...	...	42.578	+29.478	-5	43.5170	10.4
...	-7.547	-43.052	-2	44.5316	10.4	...	+15.973	+27.492	-5	...	...	S*	+43.078	-17.563	1.18	44.5358	9.5
...	7.472	+28.166	0.65	43.5110	10.2	*	16.292	+20.074	1.00	43.5143	10.0	*	43.785	-18.700	1.00	44.5359	9.9
n*	7.317	+50.381	1.05	43.5111	9.6	...	16.358	+9.551	-1	43.5144	10.2	*	43.888	+17.058	1.15	43.5171	9.3
...	7.242	-56.751	-4	44.5317	10.4	...	16.774	+8.108	-5	43.5145	10.4	...	44.222	-10.350	-4	...	...
n	7.195	+50.489	-5	43.5111	9.6	...	17.227	-45.945	-3	44.5335	10.4	...	44.407	-27.513	-4	44.5360	10.4
131	-6.908	+59.312	1.00	42.5041	9.8	191	+17.914	+31.780	-4	43.5146	10.4	251	+44.528	-16.281	-4	44.5361	10.4
*	6.005	+6.423	-5	43.5112	10.4	*	18.397	-30.283	1.00	44.5336	9.9	...	45.088	-9.449	-3	44.5362	10.4
...	5.612	+6.013	-5	43.5113	10.4	S*	18.564	+10.109	2.40	43.5147	7.8	...	45.585	-19.862	-4	44.5363	10.3
*	4.173	+16.540	1.05	43.5114	9.8	...	19.011	-22.920	-5	44.5337	10.3	...	45.882	+25.548	0.65	43.5173	10.2
...	3.805	+0.692	-4	43.5115	10.4	...	19.249	-16.201	-4	...	...	*	46.149	-5.675	1.00	43.5174	9.8
*	-3.691	+37.414	1.10	43.5116	9.7	...	+19.654	+44.224	-5	43.5148	10.4	...	+46.171	+51.252	-5	43.5172	10.2
...	3.643	+34.957	-5	...	...	...	20.786	-41.433	-5	...	...	S*	46.904	+38.824	1.25	43.5175	9.3
...	3.381	-35.376	-4	44.5318	10.3	*	21.168	-37.870	1.05	44.5339	9.9	...	46.960	-38.777	-5	44.5365	10.4
*	2.995	-43.542	1.00	44.5319	10.2	...	21.669	-25.491	-5	...	...	*	47.398	-11.349	1.20	44.5364	9.1
...	2.145	+30.492	-4	43.5118	10.4	...	22.183	+7.025	0.80	43.5149	10.0	*	47.461	+31.262	1.00	43.5176	9.8
141	-2.091	+48.743	1.00	43.5117	9.9	201	+22.614	+57.850	-5	42.5069	10.6	261	+47.511	-12.608	1.10	44.5366	9.5
...	2.091	+20.588	0.90	43.5119	10.0	...	23.083	-55.603	-4	44.5340	10.2	...	47.609	+15.197	-4	43.5177	10.4
*	1.795	-55.971	1.05	44.5320	9.8	...	23.149	+30.582	0.95	43.5150	10.0	...	47.761	+0.765	-3	43.5178	10.4
...	1.773	+12.575	-5	43.5120	10.4	...	23.171	-30.601	-5	...	...	*	48.700	+26.208	1.00	43.5179	9.8
...	0.571	+40.760	-3	43.5121	10.4	*	23.185	+24.023	1.00	43.5151	10.0	...	49.423	-25.416	-2	44.5367	10.3
*	-0.419	+23.548	1.00	43.5123	9.8	*	+23.207	+55.536	1.40	42.5070	9.3	...	+50.160	-14.621	0.85	44.5368	10.2
†	-0.411	+51.488	-5	43.5122	10.4	*	23.429	+28.356	2.00	43.5152	8.2	...	50.383	+36.210	-3	43.5180	10.2
*	+0.220	-3.003	1.40	43.5124	9.1	...	24.914	+55.618	0.95	42.5073	9.9	*	50.569	+57.143	1.40	42.5097	9.3
S*	0.226	+21.051	1.18	43.5125	9.4	†	25.548	+29.717	1.80	43.5153	8.9	*	52.180	-30.298	1.00	44.5369	9.9
...	0.609	+49.298	-5	43.5126	10.4	*	25.792	+9.986	1.10	43.5154	9.7	...	52.293	+43.175	-5	43.5181	10.4

§ 10^m.6=D, -5.

128, 130. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-280						281-289											
271	+53·041	+49·928	- 2	43·5182	10·0	281	+55·396	+ 2·147	- 3	43·5186	10·2						
...	53·054	+52·193	- 3	42·5102	10·2	...	55·749	+33·667	- 1	43·5185	10·2						
*	53·398	-59·454	1·05	44·5370	9·6	*	56·326	+17·972	1·10	43·5188	9·6						
...	53·520	+38·553	- 3	43·5183	10·0	...	57·437	+58·157	- 3	42·5111	9·9						
*	53·550	-58·630	1·05	44·5371	9·6	...	58·064	+49·063	- 2	43·5189	10·0						
...	+53·561	+59·505	- 5	42·5104	10·5	...	+58·070	-33·150	- 4	44·5373	10·3						
...	54·301	+55·311	- 4	42·5106	10·2	...	58·516	+44·622	- 4	43·5190	10·2						
...	55·008	-11·000	- 5	44·5372	10·4	...	59·195	+41·356	- 5	43·5191	10·4						
...	55·031	+36·083	- 5	43·5184	10·4	...	59·805	-50·009	- 5	44·5375	10·4						
S *	55·278	- 7·716	1·15	43·5187	9·6	†											

§ 10^m·6 = D, -5.

1-40						41-80						81-120					
I						41						81					
†	-59·999	+26·026	0·90	43·5179	9·8	...	-48·579	- 2·189	- 4	...	...	...	-36·031	+31·807	- 3	...	...
...	59·794	-38·974	- 3	44·5365	10·4	...	48·190	+47·288	- 3	...	...	*	35·871	+36·709	0·90	43·5204	9·8
...	59·658	-21·781	- 4	...	...	...	48·149	+ 7·575	0·65	43·5192	10·4	...	35·494	+37·333	- 5	M	...
*	59·103	+56·988	1·80	42·5097	9·3	...	47·902	-14·573	- 3	...	...	...	35·374	+27·558	- 5	...	...
...	58·627	+36·084	0·75	43·5180	10·2	...	47·405	-57·462	- 5	...	...	...	34·729	-57·577	- 3	44·5388	10·4
...	-57·730	-25·534	0·65	44·5367	10·3	...	-47·152	+14·456	- 1	43·5194	10·4	...	-34·726	+11·190	0·75	43·5205	10·4
*	57·308	-14·734	0·90	44·5368	10·2	...	47·056	+ 2·584	0·65	43·5193	10·4	...	34·575	-29·628	- 5	...	...
...	56·960	+43·103	- 3	43·5181	10·4	α *	46·686	- 0·444	0·90	43·5195	9·8	*	34·555	+23·408	1·00	43·5206	9·5
...	56·743	-14·907	- 4	...	...	...	46·587	-49·789	- 2	44·5375	10·4	*	34·440	+23·629	0·90	43·5207	10·0
...	56·645	+46·437	- 5	...	...	...	46·513	-59·902	2·10	44·5376	8·6	...	33·906	+55·818	- 4	...	...
11						51						91					
...	-56·473	+52·128	0·80	42·5102	10·2	...	-46·498	+21·242	- 2	43·5197	10·4	...	-33·373	-28·764	0·75	44·5389	10·2
...	56·398	+49·867	0·95	43·5182	10·0	*	46·449	+ 0·325	0·90	43·5196	9·8	...	33·068	+36·502	0·90	43·5208	10·0
...	56·386	- 1·848	- 4	...	...	...	46·292	-27·011	0·95	44·5377	9·9	...	32·420	- 6·155	- 4	...	...
...	56·189	+59·448	- 5	42·5104	10·5	...	46·007	+55·682	- 3	42·5120	10·4	*	31·770	+ 8·489	1·30	43·5209	9·0
...	55·638	-21·593	- 4	...	...	...	44·849	+40·693	- 5	M	...	...	31·725	+42·147	- 5	...	...
...	-55·589	+38·516	0·80	43·5183	10·0	...	-44·833	- 2·702	- 4	...	...	...	-31·649	+44·854	- 5	M	...
...	55·316	+55·290	- 2	42·5106	10·2	...	43·698	-46·688	- 4	3785·††	10·4	...	31·518	+ 2·956	0·85	43·5211	9·8
...	54·821	-30·336	0·95	44·5369	9·9	*	43·515	+50·372	1·40	43·5199	9·5	...	31·464	- 3·429	0·75	43·5210	9·9
...	54·701	- 2·975	- 4	...	...	*	43·419	+27·833	1·40	43·5198	9·3	...	31·316	-42·419	- 3	...	...
...	53·986	+36·091	0·65	43·5184	10·4	...	43·346	+39·278	0·85	43·5200	10·0	...	30·923	-10·920	0·65	44·5391	10·4
21						61						101					
...	-53·190	+33·703	0·75	43·5185	10·2	*	-43·206	-10·015	1·10	44·5379	9·8	...	-30·824	-27·773	0·90	44·5390	10·0
...	52·802	-19·288	- 4	...	...	...	43·060	+33·847	- 4	...	...	...	30·667	+58·466	- 5	M	...
*	52·705	-59·449	1·40	44·5370	9·6	*	42·606	-18·400	1·20	44·5380	9·9	...	30·545	+19·111	- 5	M	...
...	52·588	-10·965	- 3	44·5372	10·4	...	42·195	-47·417	- 5	...	...	*	30·528	-37·855	0·90	44·5392	10·0
...	52·587	+ 2·183	0·75	43·5186	10·2	...	41·312	+24·063	- 5	M	...	...	30·431	-19·877	- 5	...	...
*	-52·582	-58·629	1·20	44·5371	9·6	...	-40·993	-37·140	- 3	...	...	...	-29·769	-22·237	- 5	...	...
...	52·478	-50·403	- 5	...	...	...	40·391	+24·190	0·75	43·5201	10·2	...	29·734	+49·340	- 1	43·5212	10·4
S *	52·398	- 7·673	1·10	43·5187	9·6	†	40·014	-30·366	0·65	44·5384	10·4	...	29·403	-47·801	- 3	...	...
...	52·264	+58·226	0·85	42·5111	9·9	...	39·901	+47·433	- 5	...	...	S *	28·938	+51·879	1·95	42·5143	8·7
...	52·140	-21·904	- 5	...	...	...	39·809	-54·123	- 1	44·5383	10·4	...	28·910	+59·147	- 1	42·5144	10·5
31						71						111					
*	-52·137	+18·025	1·40	43·5188	9·6	...	-39·694	+44·802	- 5	...	...	...	-28·536	-31·668	- 1	...	...
...	51·993	+26·993	- 5	...	...	...	39·641	+50·888	0·90	43·5203	10·0	...	28·492	+ 8·723	0·70	43·5213	10·3
...	51·358	+49·156	0·90	43·5189	10·0	*	39·611	+42·434	0·95	43·5202	9·8	...	28·350	+50·767	- 5	M	...
...	51·241	+34·851	- 5	...	...	...	37·999	+56·592	- 4	...	...	...	27·869	+12·255	- 4	...	...
...	51·014	+45·897	- 4	...	...	...	37·828	-30·377	- 3	...	...	...	27·835	+17·450	- 5	...	...
†	-50·774	+44·732	0·80	43·5190	10·2	...	-37·775	-42·418	0·75	44·5386	10·4	...	-27·587	+46·104	0·90	43·5214	10·0
†	49·984	+41·490	- 3	43·5191	10·4	...	37·310	-27·377	- 4	...	...	...	27·587	-23·777	- 3	...	...
...	49·443	+26·468	- 4	...	...	...	37·130	-30·685	- 5	...	...	...	27·286	-42·615	- 3	...	...
...	49·056	-12·009	- 4	...	...	...	37·124	+56·827	- 1	42·5129	10·3	...	27·234	-36·100	- 4	...	...
...	48·836	-33·004	0·70	44·5373	10·3	S *	36·118	-34·879	1·00	44·5387	9·6	...	27·097	-32·292	0·65	44·5393	10·4

MC measured from 1, 240, 422.
 LB " " " 68.
 L " " " 154, 327.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
121-180						181-240						241-300					
121	-27.045	+40.206	1.00	43.5215	9.8	181	-12.644	-12.413	-3	44.5408	10.4	241	+0.169	-29.686	-4	...	...
*	26.964	+18.870	-4	...	...	...	12.617	+30.696	-5	...	...	*	0.317	+6.094	1.05	43.5262	9.7
...	26.912	+58.638	0.65	42.5146	10.6	...	12.599	-41.180	-5	...	...	...	0.331	+10.562	0.80	43.5261	10.0
*	26.630	+37.970	1.20	43.5216	9.3	...	12.361	-32.800	0.70	44.5409	10.2	...	0.361	+39.710	-2	43.5263	10.3
...	26.108	+38.541	0.65	43.5217	10.4	...	12.296	-30.043	-4	...	...	*	0.573	+49.165	0.95	43.5264	9.8
...	-25.838	-43.839	-5	...	...	...	-12.059	-6.363	0.90	43.5239	10.2	...	+0.723	+10.869	-2	43.5265	10.4
...	25.771	-1.242	-5	...	...	...	11.527	+41.855	-4	...	...	...	1.121	-49.315	-3	44.5427	10.3
...	25.591	+40.048	0.70	43.5218	10.4	...	11.501	+51.832	1.00	43.5240	10.0	...	1.322	-10.904	-5	...	...
...	25.559	+33.527	-3	...	...	...	11.324	-1.931	-4	...	...	S*	1.467	-45.529	2.00	44.5428	8.3
...	25.039	+43.088	-4	...	...	...	11.300	-33.819	-4	...	...	...	1.664	-47.299	0.80	44.5429	10.0
131	-24.861	+13.250	-3	...	...	191	-11.232	+29.350	-4	...	...	251	+1.771	+20.922	1.90	43.5266	8.8
*	24.831	-21.465	0.90	44.5395	9.9	...	11.168	-38.422	0.70	44.5411	10.4	*	1.911	+44.005	2.00	43.5267	8.6
*	24.772	-8.874	0.90	44.5396	9.9	...	11.041	-22.953	-3	44.5412	10.4	S*	2.348	+48.651	2.90	43.5268	8.1
...	24.393	+8.021	-2	...	...	...	10.791	+44.045	0.95	43.5241	10.0	...	2.379	+20.583	-4	43.5269	10.4
...	24.293	+55.840	-5	...	...	*	10.700	-9.469	0.90	44.5413	10.0	...	2.737	+28.417	0.65	43.5270	9.9
...	-24.204	+39.542	0.65	43.5219	10.4	...	-10.276	-21.497	-5	...	...	...	+3.000	-29.392	-4	...	...
...	23.876	+41.548	-2	43.5220	10.4	...	10.258	-14.579	-5	...	...	*	3.623	+38.553	1.80	43.5271	9.0
...	23.773	-13.947	-5	...	...	†	10.201	+6.828	-5	...	...	...	3.646	+44.807	-5	...	...
...	23.479	+53.870	0.90	42.5149	10.3	†	10.108	-49.851	0.70	44.5414	10.0	...	3.756	-23.502	-4	44.5430	10.4
*	23.156	+7.278	0.90	43.5221	10.0	†	9.892	+19.801	0.65	43.5242	10.4	...	4.268	+19.642	-4	...	...
141	-22.812	+23.446	-4	...	...	201	-9.489	-31.905	-5	...	...	S*	+4.698	+17.798	1.15	43.5272	9.5
...	22.787	+4.036	-5	...	...	*	8.988	+33.634	1.00	43.5243	9.8	...	4.707	-44.274	-3	44.5431	10.4
...	22.614	-29.872	-4	...	...	†	8.740	-20.097	-4	...	...	...	4.931	-28.613	0.90	44.5432	9.9
...	22.013	+3.665	-2	...	...	...	8.520	-31.024	0.70	44.5416	10.4	...	4.964	+39.666	-4	...	...
...	22.005	+7.384	-3	...	...	*	7.615	-1.375	2.00	43.5244	8.6	†	5.367	+20.950	1.00	43.5273	9.8
...	-21.587	-38.617	-3	...	...	*	-6.787	+51.279	2.20	43.5245	8.0	...	+5.441	-41.533	-3	44.5433	10.4
...	21.159	-53.395	0.95	44.5398	10.0	...	6.700	+3.803	-4	43.5246	10.4	...	5.923	-2.529	-2	43.5274	10.3
...	20.891	+25.346	-3	...	...	...	6.302	-43.291	0.65	44.5417	10.4	...	6.626	+34.931	-4	...	...
...	20.727	+17.043	-4	43.5222	10.4	*	5.749	+2.527	1.40	43.5247	9.1	...	6.684	+57.941	-4	...	...
*	20.644	+20.003	1.05	43.5223	9.5	...	5.569	-43.919	-1	44.5418	10.4	...	7.158	-50.580	0.75	44.5435	10.0
151	-20.586	+51.146	0.65	43.5224	10.4	211	-5.271	-3.908	-4	...	...	271	+7.581	+58.238	-3	42.5176	10.6
...	20.553	-43.346	-4	...	...	...	5.104	+34.852	0.90	43.5248	9.8	...	7.595	-44.661	-5	...	...
...	20.455	+15.749	-1	43.5225	10.3	...	4.932	-42.213	-5	...	...	...	7.625	-0.836	-4	43.5275	10.4
*	19.893	+6.139	1.00	43.5226	9.4	...	4.401	-45.299	-5	...	...	...	7.720	-46.556	-5	...	...
...	19.799	-7.258	-5	...	...	...	4.279	+22.911	-4	...	...	...	8.209	+49.712	-3	43.5276	10.4
...	-19.548	-45.577	-2	44.5400	10.4	...	-4.258	+7.648	-4	43.5249	10.4	...	+8.701	+7.014	0.90	43.5277	9.8
...	19.176	-47.411	-2	44.5401	10.4	...	4.242	-34.670	0.70	44.5420	10.2	*	8.831	+8.965	3.00	43.5279	8.2
...	19.062	+33.679	0.70	43.5227	10.4	...	4.214	+58.483	-1	42.5166	10.5	...	8.864	+39.038	-4	43.5278	10.4
...	18.849	-37.630	0.65	44.5402	10.4	...	3.919	-53.246	0.65	44.5421	10.4	*	9.416	+39.473	1.70	43.5280	9.1
*	18.832	+19.104	1.00	43.5228	9.8	...	3.901	+33.893	0.70	43.5251	10.3	†	9.806	+23.987	-4	43.5281	10.4
161	-18.768	-1.267	1.00	43.5229	9.8	221	-3.859	-2.520	0.85	43.5250	10.0	281	+9.820	+22.714	-4	...	...
*	18.217	+30.180	0.80	43.5230	10.2	...	3.271	+5.312	-2	43.5252	10.0	†	10.764	+51.251	0.80	43.5282	10.2
*	18.089	+45.515	1.00	43.5231	9.4	...	2.832	+23.076	-4	...	...	...	11.051	-33.854	-4	...	...
...	17.496	+32.646	0.70	43.5232	10.4	...	2.804	-3.415	-5	...	...	*	11.689	-42.531	1.30	44.5437	9.4
...	17.475	-31.062	-4	44.5404	10.4	...	2.631	-48.428	0.90	44.5422	9.9	...	11.695	+7.097	0.65	43.5283	10.0
...	-17.266	+47.254	0.90	43.5233	10.0	*	-2.406	+9.192	1.20	43.5253	9.3	...	+11.810	+55.376	-3	...	...
...	16.857	-7.200	-4	43.5234	10.4	...	2.224	-7.035	-5	<i>m</i>	...	...	11.899	-3.994	-5	...	...
...	16.507	-47.165	-5	...	...	...	2.188	+2.524	0.90	43.5255	9.9	S*	12.493	-6.367	2.00	43.5284	8.8
...	16.385	-59.764	-5	...	...	...	2.147	+14.159	-5	43.5254	10.4	...	12.909	+3.892	0.95	43.5285	10.0
...	15.498	+3.402	-5	...	...	*	2.116	+53.980	1.00	42.5169	9.5	...	13.119	+5.521	-5	<i>m</i>	...
171	-15.376	-34.596	1.10	44.5405	9.0	231	-2.017	-36.428	-5	...	...	291	+13.292	+49.453	-5	...	...
S*	15.341	+10.268	3.55	43.5235	7.6	...	1.766	-35.113	1.00	44.5424	9.8	...	13.370	-39.820	-4	...	...
†	15.095	-18.449	0.70	44.5406	10.3	...	1.749	-51.856	-5	...	...	...	13.477	+49.058	0.75	43.5286	10.4
...	14.926	+33.748	0.70	43.5236	10.4	...	1.403	-6.764	-2	43.5256	10.4	...	13.737	+11.016	-1	43.5287	10.2
...	14.763	-39.316	-2	...	...	...	1.158	-34.416	-4	...	...	...	13.768	-28.819	-4	...	...
...	-14.140	+36.553	0.70	43.5237	10.3	...	-1.081	+14.292	0.95	43.5257	9.8	...	+14.295	-25.766	-4	...	...
...	14.017	-11.390	-3	...	...	...	0.853	+3.289	-4	43.5259	10.3	...	14.662	+30.042	-2	43.5288	10.4
...	13.604	+36.047	-4	...	...	...	0.836	+16.620	0.65	43.5258	10.4	...	14.705	-36.657	-3	...	...
...	13.238	+51.350	0.80	43.5238	10.3	...	-0.420	-1.815	-5	43.5260	10.4	†	14.827	+15.655	-4	...	...
...	12.850	-19.551	-5	...	...	...	+0.018	+45.080	-5	<i>m</i>	...	...	15.122	-10.642	-4	44.5438	10.4

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-360						361-420						421-480					
301	+15.252	-38.507	0.90	44.5439	9.9	361	+28.161	-24.516	-2	44.5446	10.4	421	+39.506	-7.861	0.70	43.5329	10.4
...	15.276	+9.068	-4	43.5289	10.4	...	28.259	-9.295	-5	...	...	...	39.796	-19.310	-5	m	...
...	15.565	-52.841	-3	44.5440	10.4	...	28.368	-10.598	0.75	44.5447	10.4	...	39.851	+37.489	-5	m	...
...	15.785	+48.664	0.80	43.5290	10.2	...	28.536	+38.297	-4	...	...	...	39.887	-56.684	-5	...	...
...	15.821	+34.352	-3	43.5291	10.4	...	28.790	+51.766	0.65	43.5312	10.3	...	40.023	-33.253	-5	...	...
...	+16.161	-54.237	-4	...	...	...	+28.871	+7.063	0.90	43.5313	10.0	...	+40.040	-4.179	-4	...	...
...	16.216	-25.236	-5	...	...	...	29.021	+3.641	-5	m	...	...	40.258	-50.586	-4	...	...
...	16.249	-31.777	-4	...	...	...	29.063	-24.572	-3	...	...	...	40.276	+45.277	-3	...	...
...	16.320	+35.302	-3	...	...	...	29.091	+22.294	-5	...	...	...	40.466	-18.378	-1	44.5468	10.4
...	17.024	-3.449	-4	...	...	...	29.237	-41.769	0.95	44.5448	10.0	...	40.625	+1.934	-3	...	...
311	+17.387	+59.321	-3	42.5185	10.6	371	+29.257	+24.161	-2	43.5315	10.4	431	+40.818	+28.795	-4	43.5330	10.4
...	17.414	-27.178	-4	...	...	...	29.315	+14.746	-3	43.5316	10.4	...	40.919	+53.208	0.85	42.5216	10.0
*	17.745	+36.231	1.40	43.5292	9.3	*	29.372	+39.558	1.60	43.5314	8.8	*	42.105	-3.583	1.00	43.5331	9.8
...	18.028	+57.176	-4	42.5186	10.6	...	29.575	-13.410	-2	44.5449	10.4	...	43.050	+20.551	-2	43.5332	10.4
...	18.283	-36.049	-5	...	...	...	30.039	-52.552	-5	44.5451	10.4	...	43.237	-58.294	0.95	44.5469	9.8
*	+18.480	-43.116	1.05	44.5441	9.8	...	+30.276	-11.652	-3	44.5450	10.4	...	+43.446	+14.976	-4	a	...
...	18.588	-12.322	-4	...	...	...	30.418	+41.909	-2	43.5317	10.4	...	43.774	-8.160	-4	...	...
...	18.648	+46.555	-4	...	...	*	30.456	-1.051	1.15	43.5318	9.4	...	44.055	-42.326	-4	...	...
...	18.919	+42.386	-4	...	...	...	30.594	+54.112	-3	42.5199	10.5	*	44.194	-30.457	1.00	44.5470	9.8
...	18.920	+29.430	-4	43.5293	10.4	...	30.911	+21.754	0.80	43.5319	10.3	...	44.264	-21.945	0.90	44.5471	9.8
321	+18.955	+42.900	-4	...	...	381	+30.949	+5.914	1.60	43.5320	8.8	441	+44.359	-25.981	0.80	44.5472	10.0
...	19.019	+45.344	-5	...	...	...	31.040	-21.031	-3	...	...	...	44.788	+44.318	-2	43.5333	10.4
...	19.231	+26.713	-4	...	...	...	31.280	-1.475	-5	...	...	...	45.342	+5.763	0.85	43.5334	10.0
...	19.323	+55.261	-4	...	...	*	31.695	-37.317	1.30	44.5452	9.1	...	46.140	+30.518	-3	43.5335	10.4
...	19.474	-38.516	-5	...	...	...	31.731	+9.786	-3	43.5321	10.4	...	46.313	-18.707	-5	...	...
†	+19.704	+11.369	-2	43.5295	10.3	...	+31.991	+52.137	-5	...	...	*	+46.557	-0.713	1.10	43.5337	9.5
...	19.893	+43.869	0.90	43.5294	10.2	*	32.130	+31.597	1.00	43.5322	9.8	...	46.676	+44.918	-3	43.5336	10.4
...	19.966	+51.931	-5	...	...	...	32.139	-25.249	-3	...	...	*	46.740	-22.374	1.50	44.5473	9.2
...	20.073	+22.963	0.70	43.5296	10.2	...	32.242	+31.166	-5	...	...	...	46.796	-1.473	0.80	43.5338	9.8
...	20.625	-35.436	0.80	44.5442	10.0	...	32.280	-9.541	0.75	44.5453	9.9	...	46.878	-27.146	-5	...	...
331	+20.747	+53.613	0.90	42.5188	10.2	391	+32.369	-37.387	0.75	44.5454	10.3	451	+47.472	-23.667	-5	...	...
...	20.750	+44.230	-4	...	...	*	32.455	-44.026	1.00	44.5455	9.7	...	47.727	-14.157	-4	...	...
...	20.754	-1.362	-4	...	...	...	32.604	+37.575	-1	43.5323	10.4	...	47.937	-2.006	-5	b	...
*	20.940	+21.057	1.25	43.5297	9.1	...	33.443	+54.493	-5	...	...	...	47.998	-1.968	1.00	43.5340	9.5
...	21.225	-58.700	-5	...	...	...	33.543	+55.992	-1	42.5205	10.2	*	48.177	+7.079	1.05	43.5339	9.5
...	+21.583	+49.783	-5	...	...	S*	+33.657	-57.694	2.00	44.5458	8.0	...	+48.831	-32.795	-4	44.5474	10.4
...	22.055	+17.585	0.80	43.5298	9.9	†	33.698	-35.008	1.10	44.5456	9.4	...	49.209	-55.705	-1	44.5476	10.2
...	22.535	+25.994	0.80	43.5299	10.0	...	34.032	+45.391	-1	43.5324	10.4	...	49.265	-8.728	-5	...	...
...	22.593	+38.888	0.90	43.5300	10.0	...	34.411	+50.392	-5	...	...	...	49.398	+23.616	-3	...	...
...	22.875	+26.601	0.85	43.5301	10.0	...	34.530	-48.582	-4	...	...	...	49.417	-11.239	-3	44.5475	10.4
341	+23.150	+33.788	0.70	43.5302	10.3	401	+34.634	+43.358	-2	43.5325	10.4	461	+49.575	-34.359	0.80	44.5477	9.9
...	23.359	+26.509	-5	...	...	...	35.188	-50.452	1.00	44.5460	10.0	†	49.648	-33.118	1.80	44.5478	8.8
...	23.627	-3.778	0.75	43.5303	10.2	...	35.839	-51.333	0.65	44.5461	10.3	...	49.995	-13.890	-5	...	...
...	23.724	-1.741	0.80	43.5304	10.2	...	35.993	+18.961	0.65	43.5326	10.4	...	50.008	-15.474	0.80	44.5479	10.0
α†	24.599	-0.183	0.70	43.5307	10.3	...	36.038	+38.817	-5	m	...	...	50.108	+15.103	-3	...	...
...	+24.643	+28.146	0.75	43.5305	10.0	...	+36.564	+36.705	-4	...	...	*	+50.129	-4.194	1.10	43.5341	9.7
†	24.770	-11.754	1.00	44.5443	9.6	...	36.946	-0.895	-5	...	...	...	50.135	-7.133	-4	...	...
†	24.783	+26.291	0.65	43.5306	10.2	*	36.983	-26.101	0.95	44.5462	9.8	...	50.163	-2.025	-5	...	...
...	24.871	-10.404	-5	...	...	...	37.003	+20.404	0.70	43.5327	10.4	...	50.445	-39.394	-3	44.5481	10.3
*	24.916	+15.677	2.00	43.5308	8.8	*	37.025	-24.679	1.00	44.5463	9.8	...	50.475	-41.021	1.00	44.5482	9.9
351	+26.154	-32.104	-5	...	...	411	+37.609	-39.618	-4	44.5464	10.4	471	+50.594	-22.545	0.90	44.5480	10.0
...	26.531	+34.653	-4	43.5309	10.4	...	37.762	-31.608	0.90	44.5465	9.8	...	50.816	+57.535	-5	...	...
S*	26.867	+43.527	2.15	43.5310	8.3	...	37.764	+23.300	-5	m	...	...	50.913	+26.896	-3	...	...
...	27.099	+16.330	-5	...	...	...	37.923	+41.330	0.65	43.5328	10.4	...	51.004	-44.085	-4	44.5483	10.4
...	27.109	-10.404	-5	...	...	...	38.527	-51.728	-5	...	...	...	51.377	-21.045	-4	...	...
*	+27.164	-31.148	0.90	44.5444	10.0	...	+38.678	-37.894	0.95	44.5466	9.9	...	+51.731	-42.324	1.00	44.5484	9.9
...	27.434	-2.652	0.95	43.5311	9.9	...	38.777	-16.554	0.70	...	...	...	51.865	-2.159	-4	...	...
...	27.965	+34.609	-4	...	...	...	39.035	-33.282	-5	...	...	...	52.723	-37.661	-5	...	...
...	27.996	-32.529	0.90	44.5445	10.2	...	39.140	-29.008	0.85	44.5467	10.0	...	52.831	+31.670	-5	...	...
...	28.135	+53.121	-4	42.5194	10.6	...	39.379	-3.379	-5	...	...	...	52.959	+3.136	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
121-180						181-240						241-300					
121	-34.904	+23.955	2	43.5359	10.4	181	-23.297	-45.059	5	M	...	241	-9.779	-58.192	4	...	...
...	34.864	-8.945	0.90	44.5508	10.0	*	23.196	+58.329	1.30	42.5257	9.4	*	9.759	+49.511	1.00	43.5397	9.8
*	34.676	+2.736	1.00	43.5358	9.8	...	22.968	-11.054	2	...	...	...	9.540	+36.781	3	...	...
...	34.376	+18.076	4	...	...	...	22.906	+5.431	0.65	43.5377	10.2	...	9.330	+2.724	5	M	...
...	34.314	+43.025	5	...	...	...	22.872	-43.752	3	...	...	*	8.878	-7.413	1.40	43.5398	9.2
...	-34.229	+25.312	0.80	43.5360	10.2	...	-22.689	+8.700	2	43.5378	10.4	n *	-8.704	+57.973	0.90	42.5277	10.3
S *	34.194	+59.288	2.60	42.5246	...	...	22.403	-14.063	4	...	...	...	8.537	+37.615	3	43.5399	10.4
...	34.171	+59.074	0.95	...	7.6	...	22.076	+13.093	4	43.5379	10.4	n	8.418	+58.208	4	42.5277	10.3
...	34.106	+21.917	4	...	...	...	21.983	+37.277	1	43.5380	10.4	...	8.265	+53.116	3	...	...
...	33.849	-36.552	4	...	...	n	21.964	-25.240	0.70	...	...	*	8.142	-10.400	1.00	44.5531	9.9
131	-33.752	+15.222	3	43.5361	10.4	191	-21.696	-25.288	1.00	44.5517	9.5	251	-8.138	-58.591	5	...	...
...	33.681	-56.332	1.15	44.5509	9.7	n *	21.363	+39.304	3	...	...	...	8.062	-56.168	4	...	...
*	33.599	+6.975	5	...	...	...	21.232	+12.554	1.10	43.5381	9.6	*	7.823	-29.808	1.00	44.5532	9.8
...	33.306	+34.082	3	...	...	...	21.202	-48.220	2	44.5519	10.4	...	7.368	+46.931	0.75	43.5400	10.3
...	33.150	+41.123	0.65	43.5362	10.4	...	21.192	-13.883	4	...	...	...	7.323	-25.328	4	...	...
†	-33.095	-25.064	4	...	...	...	-21.024	-30.797	4	...	...	...	-6.789	+45.860	0.70	43.5401	10.4
...	33.050	+28.839	5	...	...	*	20.917	+43.236	1.10	43.5382	9.8	...	6.544	-57.457	4	...	...
*	32.444	+33.846	0.95	43.5363	10.0	...	20.801	-14.272	4	44.5520	10.4	...	6.315	+41.456	1	43.5402	10.4
...	32.119	+39.990	4	...	...	*	20.685	-27.706	1.00	44.5521	9.5	...	5.968	+16.665	0.80	43.5403	10.2
...	31.998	-4.489	3	...	...	...	20.619	-2.985	5	...	...	...	5.940	-23.538	0.90	44.5533	9.9
141	-31.783	-55.859	5	...	...	201	-20.422	+36.474	0.65	43.5383	10.2	261	-5.833	-31.466	5	...	...
*	31.708	-22.712	0.90	44.5510	9.9	...	20.245	-35.998	0.85	44.5522	10.0	...	5.750	-2.331	3	43.5404	10.4
...	31.504	+25.685	5	M	...	...	20.237	+46.364	4	...	...	...	5.561	+53.913	4	...	...
...	31.272	-54.264	4	...	...	...	19.774	-30.298	5	...	...	...	5.459	+31.043	4	...	...
...	31.269	+25.945	5	M	...	*	19.576	+31.597	1.90	43.5384	8.8	...	5.297	-48.240	4	...	...
...	-31.124	-3.507	4	...	...	...	-19.126	-12.736	0.85	44.5523	9.9	...	-5.084	-13.736	4	...	...
*	31.018	+46.428	0.95	43.5365	10.0	...	18.775	+21.559	0.70	43.5385	10.3	*	5.035	+2.879	1.20	43.5405	9.4
S *	30.822	+6.678	1.00	43.5364	9.8	*	18.370	-41.231	1.25	44.5524	9.5	...	4.994	-35.367	4	...	...
*	30.798	+46.794	1.05	43.5367	9.9	...	17.944	+36.595	0.90	43.5386	10.0	...	4.891	-35.745	5	...	...
...	30.695	+52.314	4	...	...	†	17.483	+9.901	1.80	43.5387	8.8	...	4.792	+14.106	4	...	...
151	-30.560	-0.164	0.85	43.5366	10.0	211	-17.186	-33.885	4	44.5525	10.4	271	-4.743	+17.190	1.50	43.5406	9.1
α †	30.296	+5.262	0.85	43.5368	10.0	...	16.991	-53.185	4	...	...	S *	4.705	-21.516	1.30	44.5534	9.5
...	29.836	-36.001	5	...	...	*	16.521	-3.679	1.35	43.5388	9.3	...	4.629	+5.638	4	43.5407	10.4
...	29.812	-53.221	4	...	...	†	16.469	-34.952	1.10	44.5526	9.5	...	3.692	+25.498	4	...	...
...	29.391	+15.079	4	...	...	...	16.040	+33.815	0.70	43.5389	10.4	...	3.342	+42.212	0.65	43.5408	10.4
...	-28.906	+34.887	2	43.5369	10.4	...	-15.953	+47.605	0.90	43.5390	10.0	...	-3.260	-30.317	4	...	...
*	28.745	+35.388	0.90	43.5370	9.8	...	15.623	-52.844	5	...	...	...	3.077	+45.838	0.80	43.5409	10.4
...	28.341	-18.554	4	...	...	...	15.477	-35.554	5	...	...	...	2.761	+28.034	3	...	...
...	28.256	-46.953	2	...	...	...	15.243	+20.459	2	43.5391	10.4	...	2.524	-46.799	3	...	...
...	28.171	-18.197	4	...	...	†	15.139	+57.986	0.90	42.5269	10.2	...	2.292	-46.971	3	44.5536	10.4
161	-27.954	+24.566	0.75	43.5371	10.0	221	-14.936	+33.333	4	...	...	281	-2.190	-46.127	0.90	44.5537	10.0
...	27.924	-23.764	4	...	...	...	14.457	+32.242	2	43.5392	10.4	...	1.884	+50.849	4	...	...
...	27.846	-30.731	0.80	44.5512	10.2	...	14.040	-38.756	4	44.5528	10.4	...	1.727	+25.493	4	...	...
...	27.767	-52.835	0.90	44.5511	10.0	...	13.507	+2.585	4	...	...	†	1.702	+54.782	1	42.5285	10.6
...	26.582	+27.144	3	...	...	...	13.450	-22.204	4	...	...	S *	1.639	-53.695	1.90	44.5538	8.4
...	-26.451	-21.155	1	44.5513	10.4	...	13.296	+37.252	5	...	...	...	-1.533	-47.984	1	44.5539	10.4
...	26.305	+40.491	0.65	43.5373	10.0	...	13.238	+11.676	5	M	...	...	1.504	-14.203	5	m	...
...	26.143	+6.454	1	43.5372	10.4	...	12.954	+13.794	0.70	43.5393	10.3	*	1.309	-10.407	1.40	44.5540	9.3
*	25.954	-49.691	1.50	44.5514	9.1	...	12.666	+45.777	4	...	...	...	1.165	-14.483	4	...	...
*	25.732	+41.475	1.00	43.5374	9.7	...	12.502	-6.320	5	...	...	S *	0.836	+23.783	1.80	43.5410	9.0
171	-25.341	-5.897	4.00	43.5375	7.5	231	-11.808	-56.584	1.80	44.5529	9.0	291	-0.784	-22.998	1	44.5541	10.3
S *	25.340	-1.796	5	...	...	...	11.477	-14.829	4	...	...	...	0.595	-54.762	4	...	...
...	24.668	-32.276	2	44.5515	10.4	...	11.455	+39.333	0.70	43.5394	10.4	*	0.455	+37.333	1.30	43.5411	9.7
...	24.529	+56.136	0.95	42.5255	10.0	...	11.313	-50.526	5	...	...	†	0.148	-33.409	1.10	44.5542	9.4
...	24.410	-36.946	3	44.5516	10.4	...	11.250	+57.034	5	...	...	...	0.071	+10.266	0.85	43.5412	10.2
*	-24.409	+53.990	1.10	42.5256	9.8	*	-11.155	+16.414	1.30	43.5395	9.3	...	-0.004	-49.005	0.70	44.5543	10.4
...	24.318	-31.525	5	...	...	*	10.723	+37.255	0.85	43.5396	10.2	...	+0.371	-44.507	1	44.5544	10.4
...	24.041	-1.218	4	...	...	†	10.099	-48.873	0.90	44.5530	10.0	...	0.480	-40.974	1	...	...
*	23.355	+11.585	0.90	43.5376	10.0	...	10.014	+49.880	5	...	...	...	0.670	-24.330	0.70	44.5545	10.2
...	23.337	+53.614	4	...	...	...	9.998	+15.176	4	...	...	...	0.805	-51.815	5	...	...

190, 191. C.P.D., suspected double.

246, 248. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
301-360						361-420						421-480						
30I	...	...	...	...	...	36I	...	...	...	...	...	42I	...	...	...	...	...
...	+ 0.876	-40.679	- 3	...	...	...	+15.523	+10.804	- 1	...	...	...	+29.879	+44.719	- 4	...	...
...	0.915	-11.020	- 4	...	...	...	* 15.576	+36.471	0.85	43.5428	10.3	...	† 30.075	-25.069	0.70	...	...
...	0.916	-46.778	- 5	...	...	...	...	+ 2.018	- 2	...	...	...	...	-15.507	- 5	...	...
...	1.135	+ 8.812	- 1	43.5413	10.4	...	...	+43.873	- 4	...	...	...	...	-39.114	- 4	...	...
...	1.334	+29.472	0.80	43.5414	10.2	...	...	-18.861	0.90	44.5550	10.3	...	...	-48.979	1.60	44.5555	9.1
...	+ 1.391	+51.018	0.80	43.5415	10.4	...	...	+ 3.090	- 5	...	...	...	...	+31.679	+32.089	- 3	...
...	1.599	-35.172	- 4	...	...	...	...	+25.460	- 3	...	...	...	...	31.941	+51.960	- 2	...
...	1.836	+36.675	0.70	S*	...	+59.137	3.10	42.5322	7.4	31.970	-25.987	1.20	44.5556	9.5
...	2.298	+17.158	0.70	43.5416	10.3	*	...	+22.988	0.90	43.5429	10.2	...	...	32.008	-19.382	- 5	...
...	2.355	-22.243	- 5	...	...	...	...	+ 5.455	- 2	...	...	...	...	32.384	+57.626	- 4	...
31I	...	...	...	...	...	37I	...	...	...	...	...	43I	...	...	...	...	...
...	+ 2.421	-36.931	- 5	...	...	...	+17.772	-44.901	0.75	44.5551	10.3	...	...	+32.549	+47.125	- 1	...
...	2.425	-38.832	- 4	...	...	...	...	+52.725	- 3	...	...	...	...	33.314	- 3.364	- 5	...
...	2.636	-42.259	0.85	44.5546	10.3	...	...	+15.257	- 5	...	...	...	...	33.897	+40.529	- 3	...
...	2.652	-27.897	- 5	...	...	...	...	+22.496	- 5	...	...	...	...	34.145	-24.411	- 3	...
...	2.653	+27.246	- 5	...	...	...	...	- 7.993	- 4	...	...	...	...	34.193	-26.701	- 1	...
n	+ 3.633	+33.296	0.90	...	...	...	...	+ 2.102	- 1	...	...	...	...	+34.402	-28.527	- 1	...
n	3.787	+32.974	0.70	43.5417	10.3	...	...	-18.853	- 3	...	...	...	...	34.468	-40.882	- 3	...
*	4.181	-53.439	1.00	44.5547	10.3	...	...	-12.486	0.70	44.5552	10.3	...	...	† 34.681	- 2.251	- 3	...
...	4.347	+45.411	0.65	...	...	...	...	+16.725	- 4	...	...	...	...	34.808	-20.365	- 4	...
*	5.183	- 2.148	1.25	43.5418	9.6	*	...	+14.725	1.05	...	...	...	...	35.079	+49.399	- 5	...
32I	...	...	...	...	...	38I	...	...	...	43.5430	9.8	44I	...	...	...	...	...
...	+ 5.785	-51.688	- 4	...	...	...	+20.265	+14.480	0.90	...	...	...	...	+35.256	-32.085	- 5	...
...	6.107	-49.262	- 4	...	...	...	...	+50.179	- 4	...	...	...	...	35.466	+49.866	- 5	...
...	6.573	-38.501	- 3	...	...	*	...	- 5.472	1.15	43.5431	9.8	...	...	35.667	+ 3.432	- 4	...
†	7.260	+54.803	0.90	42.5300	10.2	...	...	+37.768	0.70	...	...	...	...	36.106	+ 1.273	- 3	...
...	7.960	+24.737	0.90	43.5419	10.3	...	...	-33.563	- 2	...	...	...	...	36.289	-48.484	- 2	...
...	+ 8.328	+52.567	0.70	42.5302	10.6	*	...	+28.432	1.35	43.5432	9.6	...	...	+36.663	+12.351	- 4	...
...	8.386	+33.726	- 5	+41.695	- 5	36.793	- 0.872	1.00	43.5434	10.0
...	8.556	-34.023	0.65	...	...	...	...	+20.182	- 5	...	...	...	...	36.878	-40.985	0.65	...
*	9.348	+26.803	1.70	43.5420	9.2	...	...	+49.977	- 2	...	...	...	...	37.060	+40.489	0.80	...
*	9.567	+16.922	1.50	43.5421	9.4	...	...	+26.643	- 4	...	...	...	...	37.358	+40.154	- 1	...
33I	...	...	...	...	...	39I	...	...	...	43.5433	9.4	45I	...	...	...	...	...
...	+10.010	+32.945	- 4	...	...	S*	...	+11.894	1.60	...	...	...	...	+37.521	-28.379	0.80	...
...	10.443	+51.947	- 4	...	...	*	...	- 0.254	- 4	...	...	...	...	† 37.564	-30.052	- 3	...
...	10.488	+29.630	- 4	...	...	...	...	- 8.539	1.30	44.5553	9.6	...	...	37.595	+56.162	- 1	...
...	10.618	+12.523	- 2	...	...	...	...	+ 6.384	- 4	...	...	...	...	37.642	+19.533	- 3	...
...	10.698	-30.121	- 4	...	...	*	...	-18.737	1.25	44.5554	9.6	S*	...	37.642	+19.533	- 3	...
*	+10.846	+31.076	1.10	43.5422	9.8	+21.410	- 3	38.347	+27.065	2.10	43.5435	8.3
...	11.030	+43.642	- 4	...	...	...	...	-51.235	- 5	...	...	...	...	+38.869	+48.709	- 5	...
...	11.294	+25.770	- 3	...	...	...	...	+48.378	- 5	...	...	...	...	38.883	+51.220	- 5	...
...	11.544	+42.627	- 4	+42.516	- 5	38.888	+26.113	1.00	43.5436	9.8
*	11.546	+17.592	0.95	43.5423	10.3	...	...	-31.139	0.80	...	...	...	...	38.929	+26.502	- 5	...
34I	...	...	...	...	...	40I	...	...	...	...	...	46I	...	...	...	...	...
...	+11.742	-25.151	0.75	44.5548	10.3	...	+26.717	-51.812	- 4	...	...	...	...	+39.208	- 1.549	- 1	...
...	11.815	+28.825	- 5	...	...	...	...	+35.808	0.80	...	...	...	...	39.281	-21.974	- 4	...
...	11.848	- 8.271	- 5	...	...	...	...	+19.477	- 2	...	...	...	...	39.336	-53.067	- 5	...
...	12.065	-58.344	- 3	...	...	...	...	+25.992	0.85	...	...	...	...	39.523	-21.281	- 3	...
...	12.173	+23.552	- 4	...	...	...	...	+34.323	- 4	...	...	...	...	39.594	+13.563	- 2	...
S*	+12.486	-21.220	2.20	44.5549	8.5	+26.021	0.85	† 39.703	- 1.060	- 2	43.5437	10.3
...	12.694	+48.599	- 5	...	...	...	...	+26.184	- 4	...	...	...	...	40.190	+31.824	0.70	...
...	12.740	+48.792	- 5	m	...	...	...	-32.057	- 5	...	...	...	...	40.208	+13.301	- 3	...
*	13.073	+11.378	1.00	43.5424	10.0	...	...	-13.822	- 4	...	...	...	...	40.359	-26.183	- 3	...
...	13.266	+21.252	- 5	...	...	...	...	+ 9.728	- 2	...	...	...	...	40.372	+39.542	- 2	...
35I	...	...	...	...	...	41I	...	...	...	...	...	47I	...	...	...	...	...
*	+13.336	+48.156	0.90	43.5425	10.3	...	+28.106	+27.589	- 4	...	...	...	...	+40.532	-11.507	- 5	...
*	13.568	+44.419	1.80	43.5426	9.0	+55.875	- 3	S*	...	40.927	-35.610	2.80	44.5559	8.0
...	13.837	-56.835	- 4	...	...	...	...	-27.835	- 2	...	...	...	...	40.973	+29.012	- 5	...
...	13.914	+53.960	- 1	42.5316	10.6	...	...	+23.096	0.65	...	...	...	...	41.014	+30.059	- 4	...
...	13.924	-36.956	- 4	-45.567	- 4	* 41.157	+52.992	1.80	42.5346	9.3
...	+13.946	+11.517	- 5	...	...	...	...	+ 9.796	- 2	...	...	...	...	+41.244	-58.628	0.65	...
...	14.218	+51.178	0.95	43.5427	10.1	...	...	+21.012	- 1	...	...	...	...	41.267	-38.857	- 5	...
...	14.365	+57.741	- 4	...	...	...	...	-31.735	- 4	...	...	...	...	41.544	+30.158	- 4	...
...	14.473	+36.326	- 5	...	...	...	...	-18.746	- 5	...	...	...	...	43.036	- 1.430	0.70	...
...	15.354	-57.950	- 1	...	...	...	...	-25.514	- 4	...	...	...	...	43.142	-10.799	- 3	...

316, 317. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
481-510						511-540						541-553					
481	+43.275	-20.890	-4	...	...	511	+49.149	+33.615	-5	...	...	541	+56.646	-30.245	0.80	...	...
...	43.564	-58.559	-4	...	...	...	49.166	-23.911	-1	...	...	*	56.754	-20.923	1.10	44.5569	9.6
...	43.964	-45.901	0.95	44.5560	10.1	...	49.439	+31.743	-3	...	...	...	57.351	+23.621	-4	...	...
...	44.033	+32.374	-5	...	...	*	49.816	-25.709	1.00	44.5564	10.0	...	57.548	-51.238	-4	...	...
...	44.057	+30.580	-5	...	...	...	49.901	+45.582	0.75	...	...	...	57.642	+2.355	-1	...	...
...	+44.086	-7.404	-2	...	...	*	+50.146	-4.487	1.00	43.5438	9.8	...	+57.865	+8.482	-4	...	...
...	44.369	+10.885	-3	...	...	...	50.878	-31.021	-2	...	...	...	57.879	-19.999	-4	...	...
†	44.686	-21.252	-3	...	...	...	51.749	+36.112	0.90	...	...	*	58.040	+28.982	1.00	43.5441	10.0
...	44.819	-15.611	-5	...	...	...	51.819	-41.559	-2	...	...	...	58.260	+8.033	-2	...	...
...	44.906	-55.693	-5	...	...	*	52.015	-4.143	0.95	43.5439	10.3	...	58.394	-3.660	-5	...	...
491	+45.461	-56.453	-1	...	...	521	+52.477	-15.968	-3	...	...	551	+58.726	-15.431	0.80	...	...
...	45.628	-21.946	0.65	...	...	...	52.536	-49.632	-1	...	...	*	59.005	-15.920	1.50	44.5570	9.5
...	45.748	-39.146	-5	...	...	...	52.552	+55.780	-2	42.5354	10.6	...	59.503	-27.663	-3	...	...
*	45.906	-45.580	1.30	44.5561	9.5	*	52.840	-56.792	1.80	44.5566	9.4	...	...	...	...	...	...
...	45.976	-0.497	-5	...	...	*	53.510	-15.364	1.20	44.5565	10.0	...	...	...	...	...	...
...	+46.134	+30.879	-4	...	...	...	+53.566	+28.336	0.90	43.5440	10.3	...	...	...	...	...	...
...	46.379	-29.802	-5	...	...	...	54.016	-39.884	-4	...	...	...	...	...	...	...	...
...	46.412	-12.726	-4	...	...	...	54.932	+30.052	-4	...	...	...	...	...	...	...	...
...	46.757	+30.048	-1	...	...	...	54.989	+37.845	-1	...	...	...	...	...	...	...	...
...	46.778	-4.662	-5	...	...	*	55.372	-20.494	1.00	44.5567	9.6	...	...	...	...	...	...
501	+47.007	+46.286	-5	...	...	531	+55.491	-30.936	-4	...	...	...	...	...	...	...	...
...	47.013	-23.544	0.70	...	...	...	55.522	-15.514	-3	...	...	...	...	...	...	...	...
...	47.097	+41.544	-3	...	...	...	55.819	-22.835	-4	...	...	...	...	...	...	...	...
*	47.395	-17.754	1.00	44.5562	10.2	...	55.869	-46.765	0.80	...	...	...	...	...	...	...	...
...	47.741	-21.071	0.70	...	...	S*	55.965	-8.828	2.10	44.5568	8.4	...	...	...	...	...	...
...	+47.846	+35.844	-2	...	...	...	+56.130	-29.605	0.70	...	...	...	...	...	...	...	...
...	47.858	-58.296	-1	...	...	...	56.173	+16.835	-3	...	...	...	...	...	...	...	...
...	48.724	-31.736	-5	...	...	...	56.228	+7.106	0.80	...	...	...	...	...	...	...	...
†	48.938	-25.091	0.85	44.5563	10.3	...	56.312	-31.335	-5	...	...	...	...	...	...	...	...
...	49.105	-13.673	-5	...	...	...	56.316	+47.756	-3	...	...	...	...	...	...	...	...

1-20						21-40						41-60					
I	x.	y.	Diam.	C.P.D.	Notes.	21	x.	y.	Diam.	C.P.D.	Notes.	41	x.	y.	Diam.	C.P.D.	Notes.
...	-59.557	-21.246	-5	...	...	...	-51.927	-15.460	-5	...	...	41	-47.842	+18.076	2.00	43.5442	8.8
...	59.454	+31.629	-5	...	...	...	51.918	+7.188	-1	...	...	*	47.585	-27.467	-5	...	...
...	58.298	-58.440	-5	...	...	S*	51.667	-8.757	1.60	44.5568	8.4	...	47.186	-23.710	-5	...	...
...	58.235	-25.222	-2	44.5563	10.3	...	51.504	-30.877	-5	...	...	...	46.952	-35.596	-5	...	...
...	58.031	-24.028	-5	...	...	...	51.430	-22.755	-4	...	...	...	46.491	-40.130	-3	44.5571	10.3
...	-57.637	-4.601	0.90	43.5438	9.8	...	-50.905	-29.527	-4	...	...	...	-46.425	+24.685	-5	...	...
...	57.335	-25.823	0.90	44.5564	10.0	...	50.785	+29.127	0.85	43.5441	10.0	...	46.416	+37.241	-5	...	...
...	57.288	+36.051	-5	...	...	...	50.641	-46.690	-4	...	...	...	46.168	+44.185	-5	...	...
...	56.115	-31.108	-5	...	...	*	50.529	-20.827	1.00	44.5569	9.6	...	45.988	-18.955	-5	...	...
...	55.784	-4.199	0.85	43.5439	10.3	...	50.358	+2.477	-5	...	...	...	45.379	-7.906	-5	...	...
II	-55.223	+28.335	-5	43.5440	10.3	31	-50.356	-30.162	-3	...	...	51	-45.350	+22.876	-5	...	...
...	54.851	-41.606	-5	...	...	...	50.313	+8.623	-5	...	...	...	45.254	+25.437	-5	...	...
...	54.107	+37.888	-5	...	...	†	49.925	+8.182	-5	...	...	...	45.246	-33.055	-5	...	...
...	53.959	-15.364	0.90	44.5565	10.0	...	49.529	+45.041	-5	...	...	...	44.824	-28.674	-3	...	...
...	53.869	-49.655	-5	...	...	...	49.444	-19.884	-5	...	...	...	44.698	-5.011	-5	...	...
*	-53.353	-56.797	1.50	44.5566	9.4	...	-49.440	-3.510	-5	...	...	*	-44.515	+5.281	1.05	43.5443	9.8
...	53.084	+47.830	-5	...	...	...	48.832	-51.107	-5	...	...	...	44.509	+42.887	-4	43.5444	10.3
...	52.693	-39.862	-5	...	...	...	48.741	-15.269	-1	...	...	...	42.944	-11.219	0.80	44.5572	10.3
...	52.271	+16.907	-4	...	...	*	48.435	-15.745	1.20	44.5570	9.5	...	42.440	+23.275	-5	...	...
*	51.941	-20.440	1.15	44.5567	9.6	...	48.086	+17.651	-4	...	...	*	42.333	+39.874	1.00	43.5445	9.6

S measured from 1, 236. SB 106, 392.

Images very diffused in N p corner of plate. C.P.D., 42°. 5354. Single image; not measurable.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
61	-42.280	-50.733	-5	...	...	121	-26.606	+26.343	-5	B	...	181	-17.917	-10.514	1.10	44.5588	9.6
*	41.757	-15.285	1.00	44.5574	10.1	...	26.589	-17.081	-2	...	...	...	17.840	-8.084	0.90	43.5466	10.3
...	41.558	-50.485	0.75	44.5573	10.3	...	26.347	-13.161	-5	...	...	...	17.746	-32.121	-5	...	...
...	41.417	-13.747	0.80	...	...	*	26.225	+10.350	1.00	43.5457	10.0	...	17.728	-10.729	-5	...	...
...	41.338	-7.574	-4	...	...	...	26.206	-28.586	-5	...	...	...	17.712	+18.478	0.65	...	...
...	-41.234	+3.534	-5	...	...	...	-25.920	-54.181	-3	...	...	†	-17.607	+24.863	-4	...	...
+	41.171	+59.683	1.80	42.5362	8.4	...	25.711	+6.592	-5	...	...	...	17.545	+21.887	-5	...	...
...	40.285	-8.187	-5	...	...	*	25.594	-13.175	1.00	44.5584	10.0	*	17.201	+56.356	1.50	42.5386	9.4
†	39.969	-36.914	-4	...	...	*	25.556	-7.905	1.00	43.5458	10.3	...	17.172	+17.143	-5	B	...
...	39.665	-12.872	-5	...	...	...	25.506	-16.132	-5	...	...	...	16.922	+17.015	-5	A	...
71	-39.522	+55.175	-4	42.5366	10.2	131	-25.489	+20.698	-5	B	...	191	-16.614	-46.292	-5	...	...
...	39.403	+0.731	-5	...	...	...	25.465	+8.030	-5	...	...	...	16.437	-32.649	-5	...	...
*	39.241	-25.194	2.30	44.5575	7.5	...	25.308	-54.720	-5	...	...	...	16.169	+6.299	-5	B	...
...	39.196	-18.083	0.65	...	...	†	25.030	+36.050	-5	...	...	...	16.150	-31.265	-5	...	...
S*	38.733	-54.044	1.33	44.5576	9.4	...	24.554	-8.365	-3	...	...	...	15.972	+15.662	-2	...	...
...	-38.438	-11.205	-5	...	...	...	-24.054	+9.356	-4	...	...	*	-15.971	-29.563	1.00	44.5589	10.3
...	37.045	+58.417	-4	42.5370	10.6	...	23.698	+33.682	-4	...	...	...	15.943	-55.085	-5	...	...
...	37.039	-16.854	0.90	44.5579	10.3	*	23.480	+41.213	1.35	43.5459	9.2	...	15.761	+32.805	-5	...	...
*	36.998	-31.441	1.05	44.5578	9.8	...	23.401	-20.321	-5	...	...	...	15.660	+57.272	0.90	42.5388	9.8
...	36.874	+4.137	-5	...	...	...	22.869	-57.220	-5	...	...	...	15.651	-36.213	-5	...	...
81	-36.838	-54.577	-5	...	...	141	-22.782	-3.516	-1	...	...	201	-14.897	+34.871	1.10	43.5467	9.6
*	36.759	-4.782	2.10	43.5446	7.6	...	22.715	+45.434	-5	B	...	...	14.605	+24.997	-4	...	...
...	36.153	+2.180	-4	...	...	...	22.672	-26.557	-5	...	...	...	14.327	-12.587	-5	...	...
...	35.645	-3.705	-2	...	...	...	22.385	-20.635	-3	...	...	*	14.261	-25.550	1.10	44.5590	9.6
†	35.592	-10.109	-5	...	...	...	22.360	-13.316	0.65	...	...	*	14.137	+23.494	1.50	43.5468	8.8
...	-35.517	-6.097	-5	...	...	...	-22.171	+42.028	0.90	43.5460	10.3	...	-14.038	-9.469	-5	...	...
...	35.498	-14.446	-4	...	...	...	22.062	-54.620	-5	...	...	...	13.840	+55.529	-3	42.5390	10.4
...	35.291	-26.153	-5	...	...	...	22.049	-32.890	-5	...	...	...	13.720	+12.910	-5	...	...
+	34.965	+45.315	2.00	43.5447	8.6	...	21.918	-16.615	-5	...	...	...	13.694	+52.278	-1	42.5391	10.2
*	34.768	-11.382	2.00	44.5580	8.0	...	21.843	-13.278	-5	...	...	...	13.662	+8.247	-5	...	...
91	-34.676	+32.965	2.00	43.5448	8.8	151	-21.693	+44.405	-5	...	...	211	-13.426	-21.786	-4	...	...
*	33.980	+17.741	1.00	43.5449	9.8	...	21.596	-26.728	-5	...	...	...	13.414	+42.613	-5	...	...
...	33.608	+42.089	-5	A	...	N*	21.517	+51.369	3.00	43.5461	7.7	...	13.298	+31.366	-5	...	...
...	33.372	+41.473	0.90	43.5450	10.0	...	21.480	-7.692	-3	...	...	...	13.113	+22.290	-5	...	...
†	33.053	-35.064	-5	...	...	*	21.400	+36.788	1.15	43.5462	9.8	...	13.028	-42.943	-3	...	...
...	-32.922	+45.006	0.80	43.5452	10.1	...	-21.202	-22.310	0.75	...	...	...	-13.014	+22.372	-5	B	...
...	32.776	+32.303	-5	...	...	...	21.104	-11.722	-5	...	...	...	12.964	-26.636	-3	...	...
...	32.661	+23.029	-2	43.5453	10.3	...	20.954	-0.751	-3	...	...	...	12.877	+18.417	-3	...	...
*	32.571	+4.400	1.00	43.5451	10.0	...	20.949	-28.574	0.70	...	...	...	12.698	-40.866	-5	...	...
S*	32.518	+0.991	1.13	43.5454	9.5	...	20.648	-16.325	-5	...	...	...	12.678	+44.261	0.80	43.5469	10.3
101	-32.409	-53.686	0.80	...	...	161	-20.622	+40.265	0.80	43.5463	10.3	221	-12.590	+26.486	-5	...	...
...	31.867	-16.582	-5	...	...	*	20.601	-18.745	1.15	44.5585	9.5	...	12.231	-14.465	-5	...	...
...	31.033	+20.779	-5	...	...	...	20.300	-22.190	-5	...	...	...	12.051	-10.878	-5	...	...
...	30.645	+51.399	-3	43.5455	10.3	...	20.293	-40.403	-5	...	...	...	11.909	+10.289	-5	...	...
...	30.471	-3.101	-5	...	...	†	20.131	+20.550	-4	...	...	...	11.828	-13.066	-5	...	...
+	-29.968	-27.074	1.00	44.5581	10.0	†	-20.120	-50.029	-2	...	...	...	-11.804	-53.509	-4	...	...
...	29.421	+24.030	0.65	...	...	...	19.815	-9.808	-5	...	...	...	11.706	-22.129	-5	...	...
...	29.090	-57.565	0.90	44.5582	10.2	...	19.708	-44.250	-5	...	...	...	11.645	-56.618	-5	...	...
...	28.898	-8.834	-5	...	...	S*	19.701	+14.528	1.50	43.5464	8.6	...	11.531	+3.039	-3	...	...
...	28.803	-59.508	-5	...	...	...	19.358	+34.311	-5	...	...	*	11.425	+1.584	1.10	43.5470	9.6
111	-28.726	-2.147	-5	...	...	171	-19.217	+53.341	1.30	42.5384	9.6	231	-11.266	-48.092	1.15	44.5591	9.6
...	28.467	+52.191	-5	...	...	...	19.193	+45.277	-5	...	...	...	10.927	-25.597	-4	...	...
...	28.146	+47.401	-5	...	...	...	19.168	-32.773	-4	...	...	...	10.623	-18.534	-1	...	...
...	28.060	+28.626	-2	...	...	S*	18.929	-13.143	1.28	44.5586	8.6	...	10.285	+14.016	-5	...	...
...	27.770	-52.379	0.75	44.5583	10.3	*	18.863	+48.760	2.50	43.5465	8.0	...	10.255	+15.630	-5	...	...
...	-27.602	-17.305	-5	...	...	...	-18.858	-34.855	-4	...	...	...	-10.061	+48.150	-3	43.5471	10.3
...	27.004	+57.873	-5	42.5379	10.6	...	18.777	-16.940	0.90	44.5587	10.3	...	9.434	+3.556	-5	...	...
...	26.883	-23.904	-5	...	...	...	18.657	+4.653	-5	B	...	...	8.793	+11.526	-3	...	...
...	26.880	-19.172	-5	...	...	...	18.585	-50.614	-5	...	...	...	8.668	-56.576	-5	...	...
*	26.829	+32.224	1.10	43.5456	9.8	...	18.192	+57.522	-5	...	...	...	8.272	+34.013	-5	...	...

153. Mass. 43°·69, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
241-300						301-360						361-420						
241	- 8'210	- 39'251	- 4	...	...	301	+ 6'848	- 0'644	- 5	...	...	361	+ 22'706	- 33'426	- 5	...	...
...	7'984	+ 55'464	- 5	...	...	S *	7'523	+ 20'014	1'20	43.5481	9'4	...	22'799	- 11'737	- 5	...	...
...	7'210	+ 50'713	- 5	43.5473	10'3	...	7'840	+ 11'348	- 5	b	...	...	23'043	- 56'155	- 5	...	...
...	7'078	+ 30'959	0'90	43.5472	10'2	...	8'251	- 39'302	- 2	...	...	...	* 23'112	- 25'673	1'00	44.5608	9'6
...	6'966	+ 34'381	- 5	...	...	†	8'813	+ 29'830	- 3	43.5482	10'3	...	* 23'343	- 7'773	1'00	43.5493	10'0
...	- 6'935	- 38'197	- 5	...	...	...	+ 8'960	- 23'280	- 5	...	...	...	* + 23'492	- 57'622	1'40	44.5609	9'0
...	6'882	+ 13'585	- 5	9'596	- 52'353	- 1	44.5601	10'3	23'811	- 0'172	- 2
...	6'456	+ 12'550	- 5	9'625	- 57'925	- 5	24'145	+ 27'829	- 5
...	6'315	+ 26'971	- 5	10'155	- 18'942	- 5	24'288	+ 57'892	- 2	42.5423	10'2
...	6'146	- 5'365	- 5	10'276	+ 9'373	- 3	b	24'374	- 5'314	- 3
251	- 5'835	- 13'939	- 5	...	...	311	+ 10'469	- 39'020	- 5	...	...	371	+ 24'403	- 58'019	- 5	...	...
...	5'714	- 55'408	- 5	...	...	...	10'485	- 10'602	- 5	...	...	...	24'478	+ 48'037	- 3	43.5494	10'2
...	5'639	- 58'288	- 2	44.5592	10'3	...	11'041	- 23'476	- 5	...	...	...	24'493	+ 3'880	- 5	...	...
...	5'407	+ 19'366	- 5	...	...	...	11'184	+ 51'237	0'90	43.5483	10'2	†	24'811	+ 4'822	- 5	...	...
*	5'400	- 42'403	1'00	44.5593	9'8	...	11'208	+ 37'907	- 5	...	...	...	25'101	+ 8'035	- 2	43.5495	10'3
...	- 5'385	+ 47'597	- 5	...	...	...	+ 11'582	+ 3'410	- 5	b	...	...	+ 25'620	- 36'803	- 5	...	...
...	4'887	- 23'178	- 3	...	...	...	12'244	+ 22'730	- 5	...	...	...	25'651	+ 24'043	0'70	43.5496	10'2
...	4'613	- 20'797	- 2	...	...	...	12'439	+ 40'703	0'80	43.5484	10'3	...	26'157	- 55'933	0'85	44.5610	10'2
...	4'584	+ 22'068	- 5	A m	...	...	13'359	- 59'235	1'50	44.5602	9'0	...	26'623	- 53'232	- 5	...	...
†	4'282	+ 14'804	- 5	...	...	...	13'968	- 28'815	- 1	...	...	...	26'641	+ 36'304	0'80	43.5497	10'3
261	- 4'282	+ 21'510	- 1	...	...	321	+ 14'178	- 30'295	- 5	...	...	381	+ 26'687	- 26'073	- 5	...	...
...	4'155	+ 34'588	- 5	m	...	...	14'537	- 46'945	- 2	...	...	...	26'696	- 57'428	- 5	...	...
*	4'083	- 54'217	1'00	44.5594	9'8	†	14'799	+ 19'078	- 5	...	...	...	27'085	- 9'876	0'65	...	...
...	3'729	- 50'535	- 3	...	...	...	15'033	+ 39'356	- 5	...	...	...	27'213	- 8'247	0'70	43.5498	10'3
*	3'669	- 44'022	1'00	44.5595	9'8	...	15'049	+ 25'120	0'80	43.5485	10'3	...	27'587	+ 8'323	- 5	...	...
...	- 3'570	+ 32'770	- 5	...	...	...	+ 15'170	+ 25'963	0'90	43.5486	10'0	...	+ 27'641	- 20'653	0'80	44.5611	10'3
...	3'066	- 9'605	- 5	...	...	...	15'843	+ 33'669	- 5	...	...	...	28'421	- 38'221	- 5	...	...
...	2'924	+ 22'974	- 5	...	...	...	15'969	+ 43'995	0'90	43.5487	10'0	...	28'628	+ 43'974	- 4	...	...
Ff*	2'615	+ 0'158	1'10	43.5474	9'5	*	16'080	+ 30'211	1'00	43.5488	10'2	...	29'470	- 12'741	- 5	...	...
*	2'424	- 35'722	1'10	44.5596	9'6	...	16'189	- 0'741	- 5	...	...	...	29'653	- 14'797	0'85	44.5613	10'2
271	- 2'405	+ 7'438	0'80	43.5475	10'3	331	+ 16'346	- 50'679	- 5	...	...	391	+ 29'682	- 28'227	- 5	...	...
*	2'231	- 8'128	1'00	43.5476	10'1	...	16'373	+ 28'563	- 5	...	...	...	30'406	- 17'628	- 5	...	...
...	1'750	+ 40'887	0'75	43.5477	10'2	...	16'485	- 4'515	0'80	43.5489	10'3	...	30'587	- 53'647	- 5	...	...
...	1'182	+ 3'203	- 5	B m	...	...	16'539	+ 6'176	- 1	...	...	...	30'617	- 49'640	- 5	...	...
...	1'109	- 34'798	- 5	...	...	...	16'630	- 44'504	- 5	...	...	*	30'749	+ 10'864	1'00	43.5499	10'3
...	- 0'610	+ 39'051	- 5	...	...	...	+ 16'674	- 40'683	- 4	...	...	...	+ 30'782	+ 28'553	- 2	d	...
...	- 0'417	+ 11'496	- 4	...	...	...	16'728	+ 37'779	- 5	...	...	...	31'117	- 33'280	- 5	...	...
*	+ 0'042	+ 44'847	1'10	43.5478	9'6	...	17'174	+ 14'480	- 5	...	...	...	31'223	+ 8'563	0'80	43.5500	10'3
...	0'240	- 11'058	- 2	...	...	...	17'460	+ 2'039	- 4	...	...	...	31'259	+ 31'316	- 5	...	...
...	0'401	- 2'639	- 5	...	...	...	18'009	- 55'486	- 5	...	...	...	31'293	+ 35'518	- 3	...	...
281	+ 0'455	+ 24'485	- 5	...	...	341	+ 18'011	- 39'609	- 5	...	...	401	+ 31'806	+ 59'730	1'40	42.5426	9'3
...	0'535	+ 4'971	- 4	...	...	...	18'146	+ 17'155	0'85	43.5490	10'3	†	32'287	- 33'224	- 5	...	...
*	0'788	+ 15'254	1'15	43.5479	9'4	...	18'333	+ 48'931	0'90	43.5491	10'2	...	32'307	+ 25'217	0'70	...	...
...	1'512	- 26'604	- 4	...	...	...	18'533	- 58'963	- 4	...	...	...	32'538	+ 11'880	- 5	b	...
...	1'833	+ 3'393	- 4	...	...	...	18'665	- 24'561	- 5	...	...	...	32'562	+ 44'903	- 5	...	...
...	+ 2'274	- 26'879	0'85	44.5597	10'3	...	+ 18'690	+ 48'000	- 5	...	...	...	+ 32'753	+ 9'549	0'70	...	...
...	2'512	+ 13'484	- 2	...	...	...	* 18'705	+ 49'581	0'85	43.5492	10'0	...	32'756	- 4'862	- 5	...	...
...	2'765	+ 32'828	- 4	...	...	...	18'834	+ 16'847	- 1	...	...	...	33'355	- 19'192	- 2	...	...
...	2'958	+ 8'106	- 5	...	...	...	19'008	+ 36'245	- 1	...	...	...	33'499	- 21'796	- 5	...	...
...	3'351	- 58'814	- 5	...	...	...	19'136	- 45'188	0'85	44.5604	10'0	...	33'890	+ 8'276	- 3	...	...
291	+ 3'678	- 8'977	- 5	...	...	351	+ 19'288	+ 19'236	- 5	...	...	411	+ 33'906	+ 36'955	- 5	...	...
...	3'707	+ 15'745	- 5	...	...	†	19'862	- 54'123	0'80	44.5605	10'0	*	34'168	- 35'2'6	1'90	44.5615	8'4
*	3'786	+ 25'495	1'00	43.5480	10'0	...	20'446	- 19'060	- 1	...	...	...	34'360	- 41'889	- 5	...	...
...	4'545	+ 25'379	- 5	...	...	...	20'847	- 56'101	0'85	44.5606	10'2	...	35'178	+ 42'651	- 4	...	...
...	5'091	+ 5'671	- 5	M b	...	...	21'395	+ 22'769	- 3	...	...	...	35'278	+ 21'722	- 5	...	...
S *	+ 5'582	- 51'550	1'23	44.5598	9'0	...	+ 21'869	+ 3'331	- 4	...	...	*	+ 35'472	+ 27'021	1'00	43.5501	10'0
...	5'955	- 19'371	- 1	...	...	...	22'131	+ 35'065	- 5	...	...	...	35'776	- 1'356	- 5	...	...
...	6'024	- 29'225	- 5	...	...	...	22'331	+ 2'460	- 5	b	...	...	35'973	- 7'691	- 5	...	...
...	6'411	- 32'331	0'90	44.5600	10'2	†	22'465	- 24'956	0'70	...	...	...	36'269	- 17'380	- 5	...	...
...	6'600	- 8'101	0'80	...	...	...	22'516	- 44'789	0'75	44.5607	10'3	...	36'286	+ 17'028	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-460						461-500						501-522					
421	+36.560	+25.351	-4	...	...	461	+45.530	-17.761	1.05	44.5627	9.8	501	+53.592	-41.402	-5	...	...
...	36.769	-42.446	-4	...	...	...	45.792	-10.384	-3	...	...	...	53.894	-44.779	-5	...	...
...	37.017	-40.808	-4	...	...	...	45.916	-43.545	-5	...	...	...	54.231	-50.113	-5	...	...
...	37.049	-57.234	-5	...	...	*	45.986	+37.634	1.00	43.5509	10.0	...	54.336	+45.985	-5	...	...
...	37.170	+47.971	-5	...	...	...	46.110	+57.204	0.90	42.5434	9.8	...	54.356	-44.605	0.90	44.5637	10.3
*	+37.327	-33.667	1.00	44.5617	10.0	*	+46.679	-38.089	1.00	44.5628	10.3	*	+54.548	-18.071	1.00	44.5636	9.8
...	37.491	+34.224	0.70	...	...	...	46.787	+15.972	0.70	...	...	...	54.709	-59.361	0.65	44.5638	10.3
S *	37.554	+8.294	1.13	43.5502	9.2	...	46.825	-53.225	-5	...	...	...	54.955	+45.786	-3	43.5516	10.3
...	37.580	-38.887	0.90	44.5618	10.3	*	47.190	-19.671	1.00	44.5629	10.1	...	55.432	+42.580	-5	...	...
...	37.738	+17.335	-3	...	...	...	47.403	+21.368	0.80	...	...	...	55.451	+24.129	-1	...	...
431	...	...	...	...	...	471	...	...	...	...	...	511	...	...	...	...	...
*	+37.839	-14.227	1.00	44.5619	10.3	...	+47.451	-15.890	0.65	...	...	...	+55.870	+30.268	-5	...	...
...	38.676	-46.775	0.90	44.5621	10.3	*	47.529	+0.338	1.00	43.5511	10.0	...	56.254	-25.317	-5	...	...
...	38.715	+33.576	-3	...	...	...	47.682	+49.220	0.80	43.5510	10.3	...	56.329	+17.389	0.90	43.5517	10.3
*	39.058	+10.984	1.00	43.5504	9.8	...	47.701	-7.201	-2	...	...	...	56.916	-36.663	-5	...	...
...	39.203	+4.528	-5	...	...	...	47.756	+51.112	-5	...	...	...	57.066	-22.731	-5	...	...
...	+39.286	+41.251	0.90	43.5503	10.3	...	+48.118	+21.916	-2	...	...	*	+57.092	-23.185	1.00	44.5640	10.2
...	39.329	+3.045	-5	...	...	...	48.253	+11.305	1.00	43.5512	10.2	...	57.336	+51.889	-4	...	...
...	39.348	-50.488	0.70	...	...	...	48.425	+52.903	-4	42.5436	10.6	...	57.784	-32.926	-3	...	...
*	39.409	+11.713	1.10	43.5505	9.6	*	49.321	-26.223	1.00	44.5630	10.2	S *	58.091	+48.004	1.35	43.5518	9.1
...	39.837	+52.080	-5	42.5431	10.6	†	49.721	+17.917	-5	...	...	...	58.377	-22.053	0.90	44.5641	10.3
441	...	...	...	...	...	481	...	...	...	...	...	521	...	...	...	...	...
...	+40.101	-14.023	-5	...	...	...	+49.816	-7.692	-5	...	...	*	+58.802	-42.477	1.10	44.5642	10.0
...	40.289	+13.489	0.90	43.5506	10.2	...	50.522	-41.480	-5	...	...	...	58.917	-22.203	-5	...	...
...	41.018	+4.677	-1	...	...	*	50.695	-14.756	1.05	44.5631	9.6	...	...	...	...	...	...
...	41.782	+15.570	-4	...	...	...	50.787	-26.162	-5	...	...	...	...	...	...	...	...
S *	42.100	-48.641	1.35	44.5622	9.0	†	50.931	+49.796	0.90	43.5513	10.2	...	...	...	...	...	...
*	+42.142	+20.954	1.00	43.5507	10.0	...	+51.173	+41.358	-4	...	...	...	...	...	...	...	...
...	42.353	+5.589	-5	...	...	...	51.454	-45.389	-5	...	...	...	...	...	...	...	...
*	42.379	-2.752	1.00	43.5508	10.0	...	51.552	+22.185	-4	...	...	...	...	...	...	...	...
...	42.453	-15.294	-5	...	...	...	51.955	-28.600	-3	...	...	...	...	...	...	...	...
...	42.704	-1.835	-5	...	...	S *	52.137	-5.625	1.70	43.5514	8.4	...	...	...	...	...	...
451	...	...	...	...	...	491	...	...	...	...	...	...	...	...	...	...	...
...	+42.715	-55.204	-4	...	...	...	+52.291	-55.565	-5	...	...	...	...	...	...	...	...
...	42.862	-28.387	-5	...	...	...	52.293	-43.888	0.75	44.5633	10.3	...	...	...	...	...	...
...	43.280	-54.513	-4	...	...	*	52.509	-27.441	1.10	44.5632	9.6	...	...	...	...	...	...
†	43.390	-54.876	1.00	44.5624	10.2	*	52.609	+25.818	1.30	43.5515	9.4	...	...	...	...	...	...
...	43.427	-23.447	1.00	44.5623	10.3	*	53.063	-16.186	1.20	44.5634	9.5	...	...	...	...	...	...
...	+43.433	+36.824	-1	...	...	...	+53.134	+38.664	-3	...	...	...	...	...	...	...	...
*	43.914	-31.834	1.00	44.5625	10.3	...	53.134	-33.752	-5	...	...	...	...	...	...	...	...
...	44.020	-55.781	0.90	44.5626	10.3	*	53.166	-12.455	1.15	44.5635	9.6	...	...	...	...	...	...
...	44.107	+43.979	-5	...	...	...	53.501	-49.661	-5	...	...	...	...	...	...	...	...
...	45.471	-56.466	0.65	...	...	...	53.531	+39.595	-5	...	...	...	...	...	...	...	...

1-10						11-20						21-30					
I	x.	y.	Diam.	No.	Mag.	I	x.	y.	Diam.	No.	Mag.	21	x.	y.	Diam.	No.	Mag.
†	-60.008	+11.138	0.90	43.5512	10.2	...	-56.136	-41.567	-5	...	...	...	-54.350	+45.816	-1	43.5516	10.3
†	59.995	-7.372	-1	...	...	*	56.102	+25.777	1.35	43.5515	9.4	...	54.270	-43.922	0.85	44.5633	10.3
†	59.979	-16.074	0.65	...	...	...	55.977	+38.646	-3	...	...	...	53.767	+42.620	-5	...	...
...	58.750	+17.791	-2	...	...	S *	55.604	-5.675	2.30	43.5514	8.4	...	53.187	+24.181	0.90	...	...
...	58.496	+49.700	0.90	43.5513	10.2	...	55.601	+39.581	-5	...	...	...	53.040	-16.758	-5	...	...
...	-58.011	+41.277	-4	...	...	...	-55.085	-28.651	0.65	...	...	...	-52.982	+30.325	-5	...	...
*	57.790	-26.346	1.00	44.5630	10.2	...	55.000	+45.994	-3	...	...	*	52.834	-18.044	1.10	44.5636	9.8
...	57.244	+14.544	-5	...	...	*	54.571	-27.472	1.20	44.5632	9.6	...	52.196	-44.577	0.90	44.5637	10.3
...	57.045	+22.113	-4	...	...	*	54.375	-12.466	1.20	44.5635	9.6	...	52.170	+51.981	-4	...	...
*	56.770	-14.847	1.10	44.5631	9.6	*	54.368	-16.214	1.30	44.5634	9.5	...	52.118	+17.467	0.95	43.5517	10.3

S measured from 1, 216.
SB ,, ,, 137, 400.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam.	C.P.D.		
	x.	y.		-3.	No.		Mag.	x.		y.	-3.		No.	Mag.		x.	y.	-3.	No.	Mag.
	31-90						91-150						151-210					
31	-52·072	-30·301	-5	...	...	91	-40·861	+8·316	2·20	...	...	151	-26·258	-34·219	-5	...	...
...	51·920	+46·311	-5	...	...	S *	40·716	-14·806	-5	...	...	...	26·132	+16·684	-5	...	M	
...	51·385	-59·317	0·90	44·5638	10·3	...	40·460	-36·603	0·85	44·5647	10·3	...	26·109	+28·043	-3	...	...
S *	51·277	+48·126	1·80	43·5518	9·1	...	40·206	-9·759	-2	...	...	...	26·010	+45·515	-1	...	...
...	50·888	-25·214	-5	...	...	†	40·104	-18·823	-3	...	...	...	25·765	+2·908	-5	...	...
...	-50·166	-22·620	-5	...	...	...	-39·989	-3·655	-5	...	...	...	-25·234	-30·425	-5	...	...
...	50·122	-23·075	0·95	44·5640	10·2	...	39·769	-19·853	-5	...	...	...	23·245	-42·833	1·00	44·5658	10·2	
...	49·917	+47·428	-5	...	...	...	39·527	+35·092	0·90	...	...	...	22·724	-12·115	-5	...	...
...	49·884	-36·555	-5	...	...	...	39·312	-48·962	0·70	...	...	...	* 22·701	+51·854	1·05	42·5474	10·2	
...	49·134	-32·796	-2	...	...	...	39·309	+35·567	0·90	43·5525	10·3	...	...	22·467	+29·028	-2	...	...
41	-48·878	-21·905	0·85	44·5641	10·3	101	-39·228	-18·327	-5	...	...	161	-22·184	-21·065	-5	...	...
...	48·322	-22·040	-5	...	...	...	39·134	+11·627	-5	...	...	...	22·015	-8·351	-5	...	...
...	48·248	+19·107	-5	...	...	...	38·744	+53·323	0·90	42·5459	10·4	...	* 22·003	-59·763	-5	...	...
*	48·150	+1·572	1·30	43·5519	9·4	...	38·608	-3·635	-3	...	...	...	...	21·720	+21·048	-4	...	...
...	48·076	-0·660	-5	...	...	...	38·475	-0·816	-3	...	...	...	...	21·495	+19·532	-5	...	...
...	-47·921	+48·085	-2	...	...	...	-38·246	+7·004	-5	...	...	...	...	-21·391	+0·128	-3	F	...
*	47·811	-42·315	1·10	44·5642	10·0	...	38·096	-44·393	0·90	44·5648	10·3	...	...	21·349	-53·935	0·65	...	...
...	47·738	-18·689	-5	...	...	...	38·092	+7·464	-5	...	...	...	...	* 20·828	-23·377	2·20	...	...
...	47·619	-34·629	-5	...	...	...	37·638	-48·302	0·65	...	...	...	...	* 20·565	-23·226	1·00	44·5659	8·4
...	47·225	+16·232	-5	...	...	...	37·255	+8·251	-4	...	...	...	...	20·380	+35·699	-5	...	...
51	-47·036	-9·267	-5	...	...	111	-37·029	-38·873	-5	...	...	171	-20·065	-7·443	-3	...	...
...	47·014	-10·173	-4	...	...	...	36·555	-32·254	0·80	...	...	...	...	20·011	+54·168	-2	42·5475	10·6
...	46·923	+33·137	-5	...	...	...	36·397	+43·228	-3	...	...	...	...	19·866	-45·591	-3	...	...
...	46·848	+16·079	0·90	43·5520	10·3	...	35·828	+47·291	-4	...	...	...	...	19·469	+58·397	-3	...	...
...	46·741	-33·452	-2	...	...	...	35·784	-30·557	-5	...	...	...	...	19·014	-2·911	-3	...	...
...	-46·642	-15·147	-5	...	...	...	-34·983	-17·245	-5	...	...	...	...	-18·464	+51·923	-1	...	...
...	46·318	+40·498	-5	...	...	...	34·911	-4·189	-5	...	...	...	...	18·329	-39·615	0·85	44·5660	10·3
...	45·992	-56·275	-3	44·5643	10·3	...	34·733	-29·118	-4	...	...	...	...	* 18·256	+32·546	1·00	43·5531	10·2
...	45·961	-13·979	-4	...	...	...	33·548	-19·207	1·15	44·5649	9·6	...	...	17·983	-28·993	-5	...	...
...	45·946	-28·337	-4	...	...	...	33·254	-20·165	0·80	...	...	...	...	17·900	-12·195	-5	...	...
61	-45·911	+8·940	-5	...	...	121	-33·192	+25·550	-4	...	...	181	-17·543	-32·412	1·50	44·5661	9·0	
...	45·898	-39·609	0·70	...	...	*	32·682	+26·901	2·50	43·5526	7·9	...	...	17·073	-34·951	0·80	44·5662	10·3
...	45·818	+22·838	-5	...	...	...	32·594	+5·810	-5	M	...	...	...	* 16·987	-58·704	1·20	44·5663	10·0
*	45·785	-20·195	1·15	44·5644	9·5	...	32·369	+12·052	1·00	43·5527	10·0	...	...	16·805	-4·692	-3	...	...
*	44·695	+23·536	1·90	43·5521	8·8	...	32·290	-17·420	0·85	44·5650	10·3	...	...	16·640	+53·181	-5	...	...
...	-44·679	-31·241	0·90	...	...	...	-32·221	-11·604	-4	...	...	...	...	* 16·540	+14·090	1·10	43·5532	9·8
...	44·401	+31·824	-5	...	...	...	32·175	+21·125	0·85	...	...	...	...	† 16·482	+24·955	0·85	...	...
...	43·838	+34·676	-4	...	...	...	31·829	-35·398	-5	...	...	...	...	16·308	-51·403	-4	...	...
...	43·677	-52·398	-5	...	...	...	31·510	+41·068	1·15	43·5528	9·6	...	...	16·282	-50·758	-3	...	...
...	43·657	-24·664	0·80	...	...	...	31·495	+6·328	-5	M	...	...	...	16·249	-51·268	-3	...	...
71	-43·510	+52·897	1·20	42·5454	9·6	131	-31·332	-14·757	-5	...	...	191	-16·193	+30·709	1·10	43·5533	10·0	
...	43·446	+22·049	-5	...	...	...	31·189	-23·014	-5	...	...	...	...	15·774	+18·270	0·90	43·5534	10·0
*	43·272	-32·516	1·00	44·5645	10·0	...	30·955	-15·671	-5	...	...	...	...	15·578	-33·041	-3	...	...
...	43·247	+11·076	-4	...	...	...	30·871	-37·258	1·20	44·5652	9·6	...	...	15·439	-31·003	1·00	44·5664	10·2
...	42·997	-30·937	-5	...	...	...	30·722	+48·077	0·75	...	...	S *	...	15·287	-26·418	2·10	44·5665	8·4
...	-42·869	-37·126	0·75	...	...	...	-30·633	-4·012	-3	...	...	...	...	-15·175	-52·587	-4	...	...
...	42·855	+43·182	-1	...	...	...	30·033	-1·084	0·95	43·5529	10·3	...	...	14·347	+9·341	-5	...	...
...	42·751	+33·374	-5	...	...	*	29·129	-9·678	1·20	44·5653	9·6	...	...	14·322	-30·511	0·80	...	...
...	42·732	+14·094	-5	...	...	*	29·090	+11·060	1·15	43·5530	9·6	...	...	14·316	-31·599	-5	...	...
...	42·725	-4·285	0·70	...	...	...	28·924	+57·139	-4	...	...	...	...	14·130	-17·951	0·75	...	...
81	-42·390	-27·032	-5	...	...	141	-28·769	+40·135	-5	...	...	201	-13·901	-48·314	0·70	...	...
N	42·156	+15·845	0·80	...	...	...	28·675	+36·923	-2	...	...	...	...	13·769	+36·301	-5	...	...
...	42·144	-6·005	0·70	...	...	...	28·278	-41·560	0·65	...	...	S *	...	13·467	+10·658	1·03	43·5535	10·0
...	41·798	-54·609	-5	...	...	*	28·146	-0·539	1·00	...	...	...	...	13·403	-47·509	-5	...	...
*	41·627	+29·766	1·10	43·5522	9·6	...	28·089	-23·189	0·95	44·5654	10·3	...	...	12·974	-32·530	1·05	44·5667	9·8
...	-41·436	+12·792	-5	M	...	*	-27·859	+38·391	-5	...	...	...	...	-12·798	-11·540	-3	...	...
*	41·358	-14·419	1·10	44·5646	10·0	*	27·721	-18·296	0·95	44·5655	10·3	...	...	12·727	-13·206	-5	...	...
...	41·162	+27·803	0·75	43·5523	10·3	...	27·716	+20·224	-4	...	...	...	...	* 12·480	-45·455	1·40	44·5668	9·4
...	41·076	+43·563	-5	...	...	...	27·444	-47·324	-4	...	...	...	...	* 12·394	-13·874	1·00	...	...
...	41·066	-42·538	-5	...	...	*	27·211	-53·267	1·05	44·5656	10·3	...	...	11·781	-30·871	-5	...	...

81. Brighter star; 45° 70, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-11.726	+31.275	-5	...	...	271	+1.093	+9.113	-3	...	...	331	+14.591	-3.089	-5	...	...
...	10.680	-47.860	0.65	...	...	...	1.125	+36.187	0.90	...	...	...	14.652	-6.175	-5	...	...
...	10.572	-8.298	-4	...	...	...	1.579	-3.767	-5	<i>m</i>	...	...	14.823	+30.751	-5	...	...
S *	10.397	-41.693	2.00	44.5669	8.5	...	1.824	-27.756	-5	<i>m</i>	...	...	14.863	+54.023	0.70	42.5500	10.6
†	10.252	-3.789	-5	...	...	...	2.953	+23.533	-3	...	...	...	14.896	-32.129	-4	...	...
...	-9.688	-14.632	-5	...	...	...	+3.064	-6.134	-3	<i>m</i>	...	...	+15.565	+15.144	-1	...	...
...	8.813	-2.458	-5	...	...	...	3.290	+21.769	-5	...	...	...	15.700	+19.967	0.75	43.5551	10.3
...	8.771	-34.036	0.80	44.5670	10.3	...	3.330	-0.490	-3	<i>m</i>	...	...	15.705	+43.100	-4	...	...
...	8.680	+34.388	-4	...	...	...	3.333	-46.676	-5	<i>m</i>	...	...	15.877	+22.403	-5	...	...
...	8.362	+15.148	0.80	43.5536	10.3	...	3.544	+37.193	-5	<i>M</i>	...	...	16.420	-30.094	-5	<i>m</i>	...
221	-8.263	+19.658	-5	...	...	281	+3.606	+31.311	0.75	...	...	341	+16.469	-48.302	-5	<i>m</i>	...
...	8.195	+37.485	0.90	43.5537	10.3	...	3.709	-49.160	-4	...	...	...	16.943	+11.044	-5	...	...
...	7.890	-35.205	-5	...	...	...	4.082	-15.586	-5	<i>m</i>	...	...	17.137	-12.544	-4	<i>m</i>	...
...	7.853	-50.543	-3	...	...	...	4.297	+19.005	-5	<i>M m</i>	...	...	17.726	-42.550	-5	<i>m</i>	...
...	7.554	-6.455	0.85	...	...	...	4.320	-34.045	0.90	44.5679	10.3	*	17.788	-9.623	1.20	44.5688	9.6
...	-7.050	+24.660	0.75	...	...	...	+4.899	-16.626	-3	<i>m</i>	...	...	+17.970	+8.729	-4	...	...
...	6.994	+30.318	-2	...	...	...	5.048	-16.641	1.00	44.5680	9.6	...	18.145	-9.745	-4	<i>m</i>	...
...	6.779	+48.159	-5	...	...	...	5.050	+24.129	-5	<i>M m</i>	...	...	18.296	-22.225	-5	<i>m</i>	...
...	6.477	-1.362	0.90	43.5538	10.3	*	5.163	-5.279	2.00	43.5548	8.8	*	18.795	+22.688	1.00	43.5552	10.3
...	6.285	-40.618	0.80	...	...	...	5.165	-44.575	-5	<i>m</i>	...	...	19.117	-27.584	-5	<i>m</i>	...
231	-5.827	-53.918	-5	<i>m</i>	...	291	+5.179	+3.362	-5	<i>M m</i>	...	351	+19.932	+11.945	-5	...	...
...	5.795	+27.989	-5	...	...	...	5.311	-23.118	1.10	44.5681	9.6	...	20.165	-10.112	-3	<i>b</i>	...
...	5.629	+15.630	-5	<i>m</i>	...	...	6.417	-43.405	0.75	...	...	...	20.527	+54.382	-5	...	...
...	5.359	-25.281	0.80	44.5672	10.3	...	6.674	+23.238	0.75	...	...	...	20.725	-17.292	0.80	...	...
†	5.127	-25.136	-5	<i>m</i>	...	...	7.124	-40.349	-4	...	...	...	20.973	+11.590	-3	...	...
...	-4.791	-54.367	-4	<i>m</i>	...	S *	+7.307	-19.229	2.10	44.5682	8.8	...	+21.198	-58.199	0.90	...	...
...	4.567	+54.054	-4	...	...	...	7.466	-40.010	-5	<i>m</i>	...	...	21.557	-21.154	-5	<i>m</i>	...
...	4.302	+35.408	0.90	...	...	...	7.485	+32.337	0.65	...	...	...	21.764	+47.955	-5	...	...
...	4.217	+49.694	-4	...	...	...	7.537	+40.319	-4	...	...	...	22.163	-42.810	0.90	44.5691	10.3
...	4.079	-5.870	0.80	43.5539	10.3	...	7.782	+57.602	-5	...	...	...	22.402	-18.407	-5	<i>m</i>	...
241	-3.958	+14.562	-5	<i>M m</i>	...	301	+7.943	-43.374	1.00	44.5684	10.1	*	+23.152	-15.075	1.10	44.5692	9.8
...	3.921	-47.070	-5	<i>m</i>	...	...	8.462	+44.693	-4	...	...	...	23.390	-9.409	-5	<i>m</i>	...
*	3.903	+7.496	1.00	43.5541	10.0	...	8.512	+23.514	-1	...	...	...	23.528	+22.175	1.00	43.5553	9.8
*	3.900	+2.934	1.10	43.5540	9.6	...	8.536	-49.641	-2	...	...	...	23.655	-15.434	-5	<i>m</i>	...
...	3.744	+38.383	-5	<i>M m</i>	...	...	8.779	+27.373	-5	...	...	...	23.746	+19.849	-5	...	...
...	-3.545	-29.659	-5	<i>m</i>	...	...	+8.888	+31.085	-1	...	...	...	+23.946	-16.520	-5	<i>m</i>	...
...	3.211	-28.825	-3	<i>m</i>	...	*	8.959	+16.526	1.20	43.5549	9.6	...	23.960	+50.781	-5	...	...
...	3.045	-23.469	-5	<i>m</i>	...	...	8.988	+43.954	-4	...	...	...	24.185	+10.950	-5	<i>m</i>	...
...	3.008	+50.971	-5	...	...	...	9.530	-2.423	-5	<i>m</i>	...	...	24.331	+39.585	0.90	43.5554	10.3
...	2.711	+50.735	-5	...	...	...	9.555	-12.366	-5	<i>m</i>	...	...	+24.684	+49.394	1.00	43.5555	10.0
251	-2.639	-48.539	0.90	44.5674	10.3	311	+10.115	-8.537	-5	<i>m</i>	...	371	+25.158	+29.099	0.70	...	...
†	2.256	-49.761	1.00	44.5675	10.1	...	10.223	-27.115	-3	<i>b</i>	...	...	25.292	+15.727	-3	...	...
*	1.974	-6.430	1.10	43.5542	9.6	...	10.517	+18.058	0.90	...	...	*	25.297	+35.330	1.00	43.5556	10.3
*	1.929	+19.429	1.00	43.5543	10.3	...	10.817	-26.512	-4	<i>b</i>	...	...	25.316	-14.626	-5	<i>m</i>	...
...	1.860	+2.994	-5	<i>m</i>	...	...	10.928	+46.596	0.90	...	...	...	25.419	+35.700	-2	...	...
*	-1.683	-6.837	1.20	43.5544	9.5	S *	+11.069	+58.327	1.40	42.5497	9.3	*	+25.571	-25.931	1.00	44.5696	10.3
...	1.539	+26.899	0.70	...	...	...	11.101	+47.169	5	...	...	...	25.589	-9.103	-2	...	...
*	1.485	+9.810	1.00	43.5545	10.2	...	11.193	-5.625	-5	<i>m</i>	...	...	25.736	+35.974	-5	...	...
...	1.371	-24.385	-5	<i>m</i>	...	...	11.372	-31.164	-5	<i>m</i>	...	S *	25.854	+33.007	1.50	43.5557	8.8
...	1.188	-48.004	0.90	44.5676	10.3	...	11.589	-13.836	-5	<i>m</i>	...	...	26.133	+21.228	-5	...	...
261	-0.810	-42.654	-3	<i>m</i>	...	321	+11.729	-3.306	-5	<i>m</i>	...	381	+26.187	+6.610	-3	...	...
...	0.599	-56.556	-5	<i>m</i>	...	...	11.745	-38.898	-5	<i>m</i>	...	...	26.360	-36.035	0.95	44.5697	10.3
...	0.504	+1.967	0.90	43.5546	10.2	...	12.164	-25.967	-5	<i>m</i>	...	...	26.456	+3.066	-3	...	...
†	0.254	+27.692	-2	...	...	*	13.116	+47.531	1.10	43.5550	9.6	...	26.650	+36.995	-4	...	...
†	0.177	-50.208	0.75	44.5677	10.3	...	13.254	-39.087	0.80	44.5687	10.3	...	26.884	+4.853	-5	...	...
*	-0.017	-55.192	1.20	44.5678	9.6	...	+13.268	+14.900	-5	...	...	...	+26.967	-13.870	-5	<i>m</i>	...
...	+0.076	+45.013	-5	...	...	...	13.384	-50.488	-5	<i>m</i>	...	...	27.418	-30.150	-4	<i>m</i>	...
...	0.152	+7.495	-5	...	...	...	14.086	-7.217	-4	<i>m</i>	...	*	27.608	-22.040	1.10	44.5698	9.8
*	0.169	-3.262	2.40	43.5547	8.5	†	14.293	-49.766	-5	<i>m</i>	...	...	27.683	+29.660	-5	...	...
...	1.074	-24.561	-5	<i>m</i>	...	...	14.407	-16.423	-4	<i>m</i>	...	...	27.859	-46.689	-5	<i>m</i>	...

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. 3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-430						431-470						471-483					
391	+27·873	-59·076	-2	...	...	431	+38·217	-32·453	-4	...	...	471	+53·468	+1·343	-4	...	...
...	28·125	+10·261	0·80	43·5558	10·3	...	* 38·361	-58·174	1·05	44·5704	10·0	S *	53·949	+9·730	1·23	43·5567	9·4
...	28·311	+38·546	0·80	...	...	...	38·705	-27·941	-4	m	...	*	56·261	-23·026	1·20	44·5710	9·5
*	28·402	-8·501	1·00	44·5700	10·2	...	39·167	-29·687	-5	m	...	†	56·336	-24·890	1·35	44·5711	9·5
...	28·962	+39·203	-5	...	...	...	39·471	-40·007	0·65	...	...	...	56·639	-14·023	-4	e	...
...	+29·140	-55·009	-4	...	...	N	+39·796	-3·213	-2	a	...	...	+56·774	+1·051	-4	...	...
...	29·172	-25·687	-4	m	...	...	39·825	-52·467	0·95	44·5706	10·3	...	57·131	-28·695	-4	...	...
...	29·459	+3·991	-5	...	...	...	40·335	-21·200	0·90	44·5707	10·3	*	57·408	+22·348	1·10	43·5568	10·0
...	29·518	-41·493	-5	m	...	S *	40·478	-21·727	1·30	44·5708	9·2	*	57·891	+18·273	1·50	43·5569	9·0
...	30·033	-0·883	-4	m	...	...	40·721	-58·944	0·90	...	...	...	57·945	-33·223	-5	e	...
401	...	...	...	...	...	441	+41·002	+47·676	-4	...	...	481	...	...	...	...	...
...	+30·068	-24·095	0·65	...	...	...	41·071	-10·035	-5	m	...	...	+58·031	-21·555	0·95	44·5712	10·3
...	30·249	-27·644	-5	m	...	...	41·205	-10·727	-3	b	...	...	58·784	-50·118	-5	...	...
*	30·579	-5·333	1·00	43·5559	10·3	...	41·782	-24·694	1·00	44·5709	10·1	*	58·965	-43·603	1·40	44·5713	9·6
...	30·636	-0·182	-5	m	...	*	42·109	-24·284	-5	m	...	...	...	...	...	...	...
...	30·772	-40·101	0·80	...	...	...	+42·272	-37·690	-5	m	...	...	...	...	...	...	...
...	+31·126	+44·222	0·90	...	...	...	42·373	-8·587	-5	m	...	...	...	...	...	...	...
†	31·396	-14·806	1·00	44·5701	10·0	...	42·520	+24·785	-3	...	...	...	...	...	...	...	...
†	31·783	+42·519	0·80	...	...	...	42·635	-30·755	-5	m	...	...	...	...	...	...	...
...	32·078	+30·924	-5	...	...	...	43·217	-37·277	-5	m	...	...	...	...	...	...	...
...	32·344	+18·755	-4	...	...	451	...	...	...	...	...	...	...	...	...	...	...
411	...	...	...	...	...	...	+43·226	-45·315	-3	b	...	...	...	...	...	...	...
...	+32·722	-8·915	-3	...	...	...	43·894	+5·519	0·90	...	...	...	...	...	...	...	...
...	32·925	+37·537	-5	...	...	...	44·014	-23·795	-5	m	...	...	...	...	...	...	...
...	33·404	+22·366	-5	...	...	...	44·060	-20·374	-3	...	...	...	...	...	...	...	...
...	33·959	+19·676	-4	...	...	*	44·291	+26·805	1·50	43·5564	9·0	...	...	...	...	...	...
...	34·043	-6·642	0·85	43·5560	10·3	...	+44·336	+39·167	-5	...	...	...	...	...	...	...	...
...	+34·104	-27·609	0·75	...	...	*	45·233	+3·740	1·00	43·5565	10·1	...	...	...	...	...	...
...	34·910	+5·481	-4	...	...	...	46·152	+10·567	0·70	...	...	...	...	...	...	...	...
...	35·348	-37·416	0·90	...	...	...	46·295	+49·390	-5	...	...	...	...	...	...	...	...
...	35·918	-16·456	0·70	...	...	...	46·539	+22·017	-1	...	...	...	...	...	...	...	...
...	36·014	-12·854	-3	b	...	461	...	...	...	...	...	...	...	...	...	...	...
421	...	...	...	...	...	†	+47·025	+20·101	0·70	...	...	...	...	...	...	...	...
*	+36·076	+10·974	1·00	43·5561	10·0	...	47·705	-4·553	-1	...	...	...	...	...	...	...	...
...	36·215	+23·933	0·80	...	...	...	48·298	+58·866	0·90	42·5522	10·2	...	...	...	...	...	...
*	36·436	+8·358	1·00	43·5562	10·0	...	48·426	-48·866	0·90	...	...	...	...	...	...	...	...
...	36·761	-38·150	0·65	...	...	...	50·991	+11·249	-5	...	...	...	...	...	...	...	...
...	36·802	-28·818	-5	m	...	...	+51·044	-22·400	-2	...	...	...	...	...	...	...	...
...	+36·949	-59·156	-3	...	...	...	51·110	-52·960	-5	e	...	...	...	...	...	...	...
...	37·131	+57·075	-2	42·5515	10·6	...	51·405	+14·418	-5	...	...	...	...	...	...	...	...
...	37·606	-45·515	0·95	44·5703	10·3	...	52·342	+50·766	-3	43·5566	10·3	...	...	...	...	...	...
...	37·810	+49·171	-5	...	...	...	52·848	-16·472	-2	...	...	...	...	...	...	...	...
*	38·160	+46·282	1·10	43·5563	10·2	...	...	...	...	...	...	...	...	...	...	...	...

436. 45°·71, too diffused to measure.

1-10						11-20						21-30					
I	Co-ordinates.		Diam. -3.	C.P.D.		II	Co-ordinates.		Diam. 3.	C.P.D.		21	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
...	-59·769	+2·555	-5	...	...	...	-54·581	-16·494	-1	...	...	...	-51·674	+16·420	-5	...	...
...	59·417	-26·153	-3	...	...	...	54·502	+1·325	-2	...	...	...	51·495	-53·362	-5	M	...
...	58·265	-54·424	-5	M	...	S *	54·279	+9·715	1·15	43·5567	9·4	*	51·198	+22·429	1·05	43·5568	10·0
...	58·111	+15·380	-5	...	...	...	54·139	-15·012	-5	M	...	...	51·171	+1·136	-2	...	...
...	58·013	-49·007	0·75	...	...	...	53·743	-41·183	-5	M	...	*	50·971	-22·947	1·15	44·5710	9·5
...	-57·267	+11·154	-4	...	...	...	-53·116	-40·870	-5	M	...	...	-50·865	-13·947	-2	E	...
...	57·109	+50·673	-3	43·5566	10·3	...	52·888	+5·911	-4	M	...	...	50·838	+32·461	-5	...	...
...	56·967	+14·337	-4	...	...	...	52·738	-43·997	-5	M	...	...	* 50·838	-24·792	1·15	44·5711	9·5
...	56·199	-22·487	-3	...	...	...	52·477	+27·527	-5	...	...	*	50·590	+18·381	1·20	43·5569	9·0
...	55·209	-53·021	-4	E	...	...	52·182	+3·157	-5	M	...	...	50·547	-0·364	-5	M	...

MB measured from 1, 140, 258, 404.
MC 59, 199, 336, 486.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
3I	-49.936	-28.591	-3	...	...	9I	-38.434	-6.827	-5	M	...	15I	-27.294	-56.180	1.20	44.5731	9.6
...	49.616	-32.078	-5	M	...	...	38.333	+9.460	-4	...	...	...	27.036	+38.797	-5	...	...
...	49.240	-21.427	0.90	44.5712	10.3	...	38.166	-23.721	-4	M	...	...	26.937	-19.606	-1	...	...
...	49.047	+30.023	-5	...	...	...	37.802	+2.700	-4	M	...	...	26.438	-38.292	0.70	44.5732	10.3
...	48.970	-33.080	-4	E	...	*	37.711	-18.271	1.00	44.5723	10.1	...	26.265	-57.522	-1	...	...
...	-48.510	+50.392	0.80	43.5570	10.3	...	-37.629	-25.409	-5	M	...	...	-25.979	-41.378	-2	...	...
...	48.356	+15.428	-4	...	...	...	37.617	+12.686	-3	...	...	...	25.872	-49.431	-4	M	...
...	48.140	-40.242	-5	M	...	*	37.179	-24.834	1.20	44.5724	9.5	...	25.505	+5.300	0.90	43.5584	10.6
...	47.905	+19.880	-5	M	...	...	36.942	-17.871	-4	M	...	†	25.001	-18.415	-4	...	...
*	47.653	-43.429	1.15	44.5713	9.6	...	36.899	-18.373	-3	B	...	...	24.882	-43.713	-4	...	...
4I	-47.626	-49.946	-3	...	...	10I	-36.632	+35.549	-5	M	...	16I	-24.287	-29.990	-4	M	...
...	47.302	+12.144	-2	...	...	...	36.619	+13.165	-3	...	...	...	23.933	+0.201	-3	α	...
*	47.240	-1.392	1.00	43.5571	10.0	*	36.609	+59.119	1.90	42.5539	8.8	...	23.617	+17.684	-4	...	...
*	46.995	-9.340	1.40	44.5715	9.1	...	36.584	-17.100	-4	M	...	...	23.531	-28.871	-4	...	...
*	46.929	-26.418	1.00	44.5714	10.2	...	36.369	-20.590	-4	M	...	...	23.492	-36.227	-5	M	...
*	-46.312	+4.284	1.00	43.5572	10.0	...	-36.260	-10.304	-3	B	...	...	-23.403	+21.106	-3	...	...
...	46.056	-29.647	-4	M	...	...	36.238	-4.602	-4	M	...	...	23.339	-33.020	-4	M	...
...	45.997	+33.253	-5	M	...	...	36.177	+37.136	-4	...	...	...	23.143	-47.951	-3	B	...
...	45.768	-17.444	-5	M	...	...	35.986	-1.564	-1	...	...	...	22.931	+27.254	-5	M	...
...	45.723	-50.927	-5	M	...	...	35.671	-19.279	0.80	44.5725	10.3	...	22.432	-15.991	0.70	44.5733	10.3
5I	-45.713	-50.093	-5	M	...	11I	-35.663	-24.701	-5	M	...	17I	-22.431	-7.954	-5	M	...
...	45.606	+34.092	0.75	...	...	...	35.521	+48.480	-2	...	...	...	22.404	+47.757	1.00	43.5585	10.6
...	45.604	+13.730	-4	...	...	...	35.509	-31.798	-1	...	...	...	22.327	+50.279	-5	...	...
...	45.310	-53.509	-2	...	...	...	35.502	+8.701	-5	...	...	...	22.299	+24.200	-5	...	...
...	45.295	+14.057	-5	...	...	...	35.288	+47.422	-4	...	...	...	22.164	+13.736	-4	...	...
*	-45.055	-24.385	1.20	44.5716	9.0	...	-35.280	+2.209	-3	...	...	...	-22.117	-15.511	0.90	44.5734	10.3
...	44.968	-13.621	-4	M	...	...	35.049	+16.139	-3	...	...	...	22.049	-19.686	-5	M	...
†	44.935	-37.160	-3	...	...	*	35.016	+22.772	1.00	43.5579	10.0	*	21.582	-21.724	1.00	44.5735	10.0
...	44.821	-49.762	-4	M	...	...	34.534	+44.174	-4	...	...	...	21.512	-21.554	-5	M	...
...	43.980	+7.693	-5	M	...	*	33.949	-29.810	1.10	44.5726	9.8	...	21.244	-9.392	-5	M	...
6I	-43.967	+16.021	1.00	43.5573	10.2	12I	-33.635	+12.621	1.00	43.5580	10.0	...	-20.835	-0.902	1.00	43.5586	10.4
*	43.587	+30.366	1.00	43.5575	10.0	...	33.257	+18.444	-5	M	...	...	20.717	-49.146	-5	M	...
...	43.562	+0.709	-5	M	...	*	33.231	-4.184	1.00	43.5581	10.0	S*	20.626	-55.759	1.60	44.5736	8.6
...	43.467	-23.280	-5	M	...	...	32.895	+26.405	-4	...	...	...	20.446	-21.534	-5	M	...
*	43.453	-19.254	1.00	44.5717	9.6	...	32.762	+35.765	2.00	43.5582	8.4	...	20.400	-15.858	-3	B	...
*	-43.433	-15.241	1.20	44.5718	9.6	...	-32.317	+21.163	-4	...	...	...	-19.152	-21.952	-5	M	...
...	43.328	+0.266	0.90	43.5574	10.2	...	32.289	+37.718	-4	...	...	...	18.944	+28.229	-5	...	...
...	42.965	-28.632	-4	M	...	†	32.277	+34.969	-3	...	...	...	18.598	-28.475	0.70	...	...
...	42.924	-2.392	0.80	...	...	...	32.192	+23.031	-4	...	...	...	18.217	-2.002	-4	M	...
S*	42.813	-7.108	1.30	43.5576	9.4	*	32.120	-36.201	1.00	44.5727	10.1	...	17.007	+21.052	0.70	43.5587	10.6
7I	-42.749	-21.113	-5	M	...	13I	-32.009	-8.352	-1	...	...	19I	-16.731	+16.820	-1	...	...
...	42.453	-36.538	0.90	...	...	n	31.881	-8.381	0.80	43.5583	10.2	...	16.459	+33.134	-1	...	...
...	41.919	+52.397	0.95	42.5534	10.2	...	31.823	-35.168	-3	A	...	...	16.098	-24.032	-5	M	...
...	41.751	-2.123	-4	M	...	...	31.679	-45.852	-3	M	...	...	15.813	+16.165	-5	...	...
S*	41.366	+37.162	3.20	43.5577	7.0	...	31.666	-19.555	-3	A	...	...	15.685	+35.133	-5	...	...
S*	-41.175	-37.262	4.00	44.5719	6.7	...	-31.535	+21.670	-4	...	...	...	-15.591	-35.892	-5	M	...
...	40.833	-28.300	-4	M	...	*	31.474	-55.801	1.20	44.5728	9.6	...	15.304	+46.182	-5	...	...
...	40.226	-26.283	-5	M	...	...	30.719	-52.735	-5	M	...	...	15.054	-1.008	0.80	43.5588	10.6
...	40.173	-57.749	1.00	44.5720	10.3	...	30.461	-11.248	-4	M	...	...	14.745	-2.685	-3	B	...
...	40.089	-20.531	-5	M	...	...	29.554	-45.157	-5	M	...	...	14.644	-36.001	-5	M	...
8I	-39.984	-54.074	-4	M	...	14I	-29.499	-2.554	-4	M	...	20I	-14.551	-15.638	-4	M	...
†	39.900	+18.324	-5	...	...	...	29.253	+33.109	-3	...	...	...	14.508	-58.697	-5	M	...
*	39.815	-52.186	1.10	44.5721	10.1	...	28.820	-49.163	-4	M	...	*	14.300	-15.750	0.95	44.5738	10.2
...	39.613	+57.059	-4	42.5538	10.6	...	28.463	-12.903	-5	M	...	...	14.122	-51.001	-4	M	...
...	39.400	+23.664	0.90	43.5578	10.2	...	28.243	+0.993	-3	...	...	*	13.270	-50.150	1.10	44.5739	9.9
...	-39.344	-26.283	-4	M	...	...	-28.035	-32.776	0.90	44.5729	10.3	...	-13.223	+23.375	-3	...	...
*	39.248	-26.074	1.30	44.5722	9.4	...	27.921	+41.749	-2	...	...	*	13.025	+46.036	2.20	43.5589	7.8
...	39.159	+13.529	-3	...	...	...	27.782	-20.947	-5	M	...	...	12.985	-12.122	-5	M	...
...	39.043	-44.632	-4	M	...	...	27.658	+49.763	-5	...	...	...	12.312	-59.269	-4	M	...
...	38.778	+2.249	-1	...	...	...	27.489	-39.709	-1	44.5730	10.3	...	11.986	-59.739	-5	M	...

131, 132. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-11.977	+ 8.773	- 4	...	...	271	+ 2.849	- 3.621	1.10	43.5595	10.0	331	+ 14.500	+ 32.880	- 4	m	...
...	11.793	- 38.462	- 3	B	...	...	2.892	- 46.044	- 3	44.5744	10.6	...	14.502	+ 9.801	- 4	m	...
...	11.118	- 41.108	- 3	B	...	...	3.169	- 39.737	- 5	M m	...	...	14.725	- 44.596	- 5	m	...
...	11.115	- 51.159	- 5	M	...	...	3.328	+ 50.523	- 5	M m	...	...	14.731	- 12.769	- 5	m	...
...	11.041	+ 14.557	- 4	...	...	...	3.851	- 57.389	0.85	...	...	...	14.786	+ 41.457	- 5	m	...
...	- 10.982	- 16.786	- 4	M	...	...	+ 3.883	- 43.564	- 5	M m	...	...	+ 15.515	- 41.837	1.00	44.5755	10.2
...	10.967	- 55.296	- 4	M	...	...	4.035	- 52.602	- 4	M m	...	...	15.583	- 42.276	- 4	m	...
...	10.884	+ 51.494	- 1	...	...	...	4.087	+ 59.215	- 5	m	...	...	15.742	+ 47.318	- 1	43.5602	10.6
...	10.208	+ 15.549	- 4	...	...	...	4.163	- 52.548	- 4	M m	...	...	15.986	+ 49.644	- 2	...	...
...	10.159	- 40.251	- 5	M	...	...	4.479	+ 0.841	- 5	M m	...	...	16.183	- 35.786	- 5	m	...
221	- 10.132	- 1.997	- 3	M	...	281	+ 4.600	- 47.097	0.80	44.5745	10.6	341	+ 16.275	+ 49.802	- 3	...	...
...	9.658	- 55.503	- 2	...	...	...	4.687	+ 12.376	0.95	43.5596	10.3	...	16.369	- 47.543	- 3	...	...
...	9.524	+ 27.475	- 2	...	...	...	4.848	+ 17.290	- 1	...	...	...	16.398	+ 2.200	- 5	m	...
...	9.020	- 39.379	- 2	...	...	...	4.858	- 44.795	- 5	M m	...	...	16.436	+ 14.698	- 3	...	...
...	8.830	+ 30.940	- 5	...	...	...	4.860	- 0.747	- 5	M m	...	...	16.492	- 24.374	- 4	m	...
...	- 8.610	- 48.449	- 5	M	...	...	+ 5.010	+ 55.573	- 4	...	...	...	+ 16.577	+ 53.987	1.00	42.5569	10.0
...	8.033	+ 24.187	- 5	M	...	...	5.414	- 37.490	- 5	M m	...	...	16.781	- 12.983	- 1	44.5756	10.6
...	7.980	- 53.839	- 5	M	...	...	5.622	+ 46.545	- 5	m	...	...	* 16.781	- 59.448	1.40	44.5757	9.0
...	* 7.238	+ 43.011	0.95	43.5590	10.6	...	* 5.638	- 43.994	1.00	44.5747	10.0	...	16.969	- 23.618	- 5	m	...
...	7.196	- 57.955	- 4	M	...	...	6.593	+ 55.218	- 2	...	...	...	16.986	- 11.706	- 4	m	...
231	6.887	- 55.701	- 5	M	...	291	+ 6.638	- 8.753	- 1	44.5749	10.6	351	+ 17.272	- 17.417	0.90	44.5758	10.5
...	* 6.812	+ 31.364	0.90	43.5591	10.6	...	7.231	- 25.135	- 5	m	...	...	17.423	- 52.113	- 5	m	...
...	6.749	- 41.168	- 5	M	...	...	7.444	- 32.718	- 5	m	...	...	18.336	- 7.328	0.95	43.5603	10.2
...	6.508	- 41.222	- 2	...	...	...	7.524	+ 38.710	- 5	m	...	...	18.808	+ 52.813	- 3	b	...
...	6.186	+ 50.999	- 3	...	...	...	* 7.695	+ 2.771	2.20	43.5597	8.4	...	19.634	+ 37.131	- 3	b	...
...	- 6.144	+ 54.194	- 2	...	...	...	+ 7.755	+ 13.002	- 4	m	...	...	+ 19.759	- 51.137	- 3	...	...
...	* 5.635	+ 21.185	1.10	43.5592	10.0	...	7.825	- 32.179	- 1	...	...	...	20.023	- 12.970	- 1	...	...
...	5.123	+ 19.818	- 4	m	...	...	7.903	- 25.777	- 5	m	...	...	20.365	- 48.897	- 3	...	...
...	4.792	+ 21.366	- 3	m	...	...	8.008	- 17.894	- 4	m	...	...	20.692	+ 54.661	- 4	m	...
...	* 4.773	- 31.526	2.00	44.5740	8.4	...	8.131	- 38.986	- 5	m	...	...	20.897	- 44.965	- 5	m	...
241	- 4.754	- 6.505	1.50	43.5593	9.2	301	+ 8.178	+ 16.473	1.10	43.5598	9.7	361	+ 21.031	- 58.497	- 4	m	...
...	* 4.687	+ 53.912	1.70	42.5557	8.8	...	8.548	+ 52.760	- 4	m	...	...	21.165	+ 45.133	- 3	a	...
...	4.684	- 58.812	- 4	M m	...	...	8.647	- 32.072	0.75	44.5750	10.6	...	21.304	+ 55.971	- 5	m	...
...	4.207	- 5.431	- 4	M m	...	...	8.808	- 16.675	- 5	m	...	...	21.357	- 25.381	- 1	...	...
...	3.549	- 35.407	- 4	M m	...	...	8.887	- 35.036	- 5	m	...	...	21.366	- 25.524	- 2	44.5759	10.4
...	- 3.538	- 23.181	- 4	M m	...	...	+ 9.106	+ 56.531	- 3	...	...	...	+ 21.473	- 36.918	- 4	m	...
...	3.505	+ 46.973	- 5	m	...	...	9.342	- 32.300	- 5	m	...	...	21.926	+ 53.374	- 3	a	...
...	3.153	+ 17.330	- 3	m	...	...	10.007	- 53.197	- 5	...	...	...	22.111	- 37.061	- 5	m	...
...	3.085	+ 1.314	- 4	M m	...	...	10.090	- 30.561	- 4	m	...	...	22.402	+ 1.133	- 3	...	...
...	2.874	- 55.662	- 5	M m	...	...	10.240	- 43.262	0.90	44.5752	10.3	...	22.449	+ 32.630	- 1	...	...
251	- 2.384	+ 56.736	2.10	42.5559	8.2	311	+ 10.302	+ 17.232	1.20	43.5599	9.4	371	+ 22.486	- 7.135	- 5	m	...
...	2.197	- 24.666	- 5	M m	...	...	10.345	- 0.618	- 4	m	...	...	+ 22.982	- 54.869	- 1	44.5760	10.6
...	1.670	+ 22.297	- 5	m	...	...	10.584	- 26.216	- 5	m	...	...	23.194	- 12.100	- 4	m	...
...	1.069	- 30.700	- 1	...	...	...	* 10.870	+ 36.999	1.30	43.5600	9.4	...	23.243	- 41.278	- 4	m	...
...	0.783	+ 45.075	- 4	m	...	...	11.466	- 40.194	0.85	44.5753	10.6	...	23.351	+ 42.299	- 5	m	...
...	- 0.724	- 58.136	- 5	M m	...	...	+ 11.657	+ 54.983	0.85	42.5566	10.0	...	+ 24.226	- 54.195	- 4	m	...
...	- 0.480	+ 34.737	- 4	m	...	...	11.826	+ 30.632	- 4	m	...	...	* 24.280	+ 41.437	1.05	43.5604	9.8
...	+ 0.257	- 23.479	1.10	44.5741	9.9	...	12.072	- 45.863	- 4	m	...	...	25.334	- 40.203	- 4	m	...
...	0.734	+ 59.025	- 5	m	...	...	12.074	- 21.845	- 2	...	...	...	25.567	+ 10.960	- 3	...	...
...	0.801	- 34.844	- 5	M m	...	...	12.290	+ 18.609	- 5	m	...	...	25.580	- 16.448	- 3	...	...
261	+ 0.810	+ 46.967	- 4	m	...	321	+ 12.474	- 45.902	- 5	m	...	381	+ 25.938	+ 17.992	- 1	...	...
...	1.081	- 18.701	- 4	M m	...	...	12.616	+ 19.423	- 3	...	...	...	26.434	+ 4.145	- 4	m	...
...	1.197	- 2.164	- 1	M	...	...	12.660	- 40.109	- 3	...	...	...	26.991	+ 23.479	- 3	b	...
...	1.292	+ 37.939	0.70	...	...	...	12.777	+ 37.619	- 4	m	...	...	27.003	- 55.822	- 1	...	...
...	1.614	- 2.644	- 5	M m	...	...	12.823	- 23.337	- 5	m	...	...	27.032	- 4.728	- 4	m	...
...	+ 1.745	- 37.966	- 5	M m	...	...	+ 13.243	+ 31.392	0.90	43.5601	10.3	...	* 27.876	- 10.723	1.15	44.5763	9.4
...	* 1.759	+ 33.135	1.20	43.5594	9.2	...	13.380	+ 35.579	- 5	m	...	...	28.049	+ 24.186	- 3	a	...
...	* 2.505	- 47.434	1.00	44.5742	10.0	...	13.468	+ 33.304	0.65	...	...	...	28.060	- 24.604	0.80	43.5605	10.6
...	2.552	+ 1.108	- 3	m	...	...	* 13.551	- 22.521	1.05	44.5754	9.9	...	28.370	- 37.671	0.75	...	...
...	2.748	- 46.971	- 1	44.5743	10.6	...	14.073	+ 9.878	- 4	m	...	...	28.378	- 32.406	- 5	m	...

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
391-450							451-510							511-550						
391	+28.408	+28.549	-5	m	...	...	451	+39.245	-26.866	-5	m	...	511	+50.750	+11.809	-3	o	...	...
...	28.412	+1.540	-2	...	...	...	...	39.259	-56.699	-5	m	...	...	50.795	+44.821	-5	m	...	...
...	28.415	-54.082	-5	m	...	...	...	39.315	-17.132	-3	...	...	...	50.965	-33.103	-3	44.5771	10.6	...
*	28.510	+37.713	1.20	43.5606	9.7	...	...	39.704	-38.742	-5	m	...	...	51.366	+28.252	-3	b	...	...
S*	28.667	-47.115	1.60	44.5764	8.5	...	...	39.800	-4.557	0.90	43.5614	10.4	...	51.733	+49.923	-5	m	...	...
...	+28.684	+50.879	-5	m	...	...	†	+39.947	+36.799	-3	...	...	...	+51.892	+0.489	-3	x	...	...
...	28.790	+49.440	-4	m	...	...	†	39.969	+42.840	-2	43.5612	10.6	...	51.972	+19.298	-1	...	...	...
...	28.919	-56.001	-4	m	...	...	...	40.163	-30.859	-5	m	...	*	52.262	-3.446	1.00	43.5621	10.2	...
...	29.129	-11.595	-3	...	...	...	...	40.251	+18.118	-5	m	...	...	52.863	-1.719	-1	...	...	...
...	29.296	-40.713	-5	m	...	...	...	40.288	+26.808	0.75	43.5613	10.6	...	52.877	+32.494	-1	43.5620	10.6	...
401	...	...	...	...	...	...	461	...	...	...	...	...	521	...	...	...	...	...	...
...	+29.338	-59.026	-4	...	...	...	...	+40.391	-58.387	-5	m	...	...	+53.247	-40.231	-4	m	...	...
...	29.621	+12.684	0.80	43.5607	10.6	...	...	40.417	+37.819	-5	m	...	...	53.407	-59.509	1.30	44.5774	9.5	...
...	29.746	+47.933	-4	m	...	...	...	40.820	+36.402	-5	m	...	...	53.463	-1.888	-5	m	...	...
S*	30.164	+50.072	2.30	43.5608	7.5	...	...	40.971	+25.914	-5	m	...	...	53.509	-38.823	0.90	44.5773	10.5	...
...	30.164	-53.345	-4	...	...	...	*	41.209	+12.520	1.05	43.5615	9.9	...	53.633	-6.507	-1	...	...	...
...	+30.527	-35.127	-5	m	...	...	...	+41.771	-12.923	-5	m	...	...	+53.872	-51.868	-4	m	...	...
...	30.722	-35.699	-4	...	...	...	...	41.811	-2.073	-4	m	...	...	54.280	+52.721	-3	...	...	...
...	31.289	+30.976	-5	m	...	...	...	41.812	+5.057	-5	m	...	S†	54.294	-44.868	1.20	44.5776	9.4	...
...	31.954	-39.691	-4	m	...	...	*	41.895	+54.471	1.70	42.5585	8.8	S*	54.328	-18.650	2.20	44.5775	8.3	...
...	32.201	-48.463	0.95	44.5765	10.2	...	...	41.922	-33.396	-5	m	...	...	54.742	+39.587	-4	m	...	...
411	...	...	...	...	...	...	471	...	...	...	...	...	531	...	...	...	...	...	...
...	+32.255	-21.759	-5	m	...	...	...	+41.959	-18.952	-4	m	...	...	+54.782	+24.639	-2	...	...	...
...	32.300	-17.286	-5	m	...	...	...	42.193	-27.186	-5	m	...	...	55.436	-36.067	-2	...	...	...
...	32.660	+35.463	-5	m	...	...	...	42.581	-19.341	-5	m	...	...	55.717	-56.298	-5	m	...	...
...	32.799	-41.450	-5	m	...	...	...	42.956	+44.175	-5	m	...	...	55.776	-10.717	-4	m	...	...
...	32.833	+7.418	-2	a	...	...	*	43.102	-9.593	1.05	44.5769	9.8	...	55.806	-43.504	-1	44.5778	10.6	...
...	+32.859	+33.305	-3	a	...	...	...	+43.473	+13.427	-5	m	...	...	+55.860	-2.731	-3	m	...	...
...	33.103	+29.109	-3	...	...	...	...	43.532	+43.391	-5	m	...	...	56.536	+16.239	-1	...	...	...
...	33.321	+2.075	-5	m	...	...	...	43.636	+46.389	-5	m	...	...	56.600	-9.564	-4	m	...	...
...	33.538	-17.637	0.90	44.5766	10.4	...	...	43.714	-53.622	-5	m	...	...	56.827	+54.530	-3	42.5598	10.2	...
*	33.829	+35.570	0.90	43.5609	10.4	...	...	43.913	-37.078	-5	m	...	...	56.862	-53.883	1.00	44.5780	10.0	...
421	...	...	...	...	...	...	481	...	...	...	...	...	541	...	...	...	...	...	...
...	+33.959	+57.923	-5	m	...	...	...	+44.079	+11.125	-5	m	...	...	+57.047	-26.348	-5	m	...	...
...	34.106	-51.860	0.70	...	...	...	...	44.202	+33.417	-5	m	...	*	57.202	-11.764	1.10	44.5779	10.0	...
...	34.169	-19.807	-4	m	...	...	...	44.353	-53.027	-1	...	...	...	57.412	-16.680	-4	m	...	...
...	34.504	+2.375	0.85	43.5610	10.4	...	...	44.504	-25.499	-4	m	...	...	57.412	-16.680	-4	m	...	...
...	34.574	+15.337	-4	m	...	...	...	44.890	+42.759	-4	...	...	...	57.689	+58.773	-1	42.5601	9.9	...
...	+34.617	-10.917	-5	m	...	...	...	+44.972	+41.751	-5	m	...	...	57.695	+51.479	-3	42.5599	10.2	...
...	34.771	-56.445	-5	m	...	...	...	45.209	-3.981	-3	m	...	...	+58.242	+18.596	-5	m	...	...
†	34.842	-16.352	-5	m	...	...	...	45.224	-27.477	-2	...	...	...	58.310	-16.977	-5	m	...	...
...	35.100	+36.177	-3	a	...	...	...	45.397	-55.259	-5	m	...	...	58.584	+6.902	-1	43.5622	10.6	...
...	35.219	-13.584	-5	m	...	...	...	45.409	-34.910	-3	...	...	*	59.327	-9.280	1.00	44.5781	9.9	...
431	...	...	...	...	...	...	491	...	...	...	...	...	...	59.684	-6.997	-5	m	...	...
...	+35.575	-54.016	1.00	44.5768	10.5	...	*	+45.668	+31.850	1.00	43.5616	10.0	...	...	...	...	...	...	...
...	35.593	-44.985	0.70	44.5767	10.6	...	*	45.925	+24.142	1.00	43.5617	9.7	...	...	...	...	...	...	...
...	35.704	-15.233	-5	m	...	...	...	46.485	-20.807	-4	m	...	...	...	...	...	...	...	...
...	35.794	-47.254	-3	...	...	...	...	46.767	+8.559	-5	m	...	...	...	...	...	...	...	...
...	35.989	+16.919	-5	m	...	...	...	46.826	-15.490	-5	m	...	...	...	...	...	...	...	...
...	+36.085	+7.588	-4	m	...	...	...	+46.892	+46.238	-5	m	...	...	...	...	...	...	...	...
...	36.110	-9.095	-5	m	...	...	...	47.078	-32.488	-3	...	...	...	...	...	...	...	...	...
...	36.281	+23.129	-4	m	...	...	...	47.282	+51.604	-4	m	...	...	...	...	...	...	...	...
...	36.728	+47.245	-1	...	...	...	...	47.702	+49.731	-3	...	...	...	...	...	...	...	...	...
...	36.968	+53.153	-4	m	...	...	*	48.084	+4.425	1.00	43.5618	10.0	...	...	...	...	...	...	...
441	...	...	...	...	...	...	501	...	...	...	...	...	...	...	...	...	...	...	...
...	+37.122	+28.324	1.00	43.5611	10.2	...	...	+48.378	+2.987	-2	...	...	...	...	...	...	...	...	...
...	37.374	+23.234	-5	m	...	...	...	48.458	+20.772	-5	m	...	...	...	...	...	...	...	...
...	37.547	+20.187	-4	m	...	...	*	49.012	+5.413	0.95	43.5619	10.2	...	...	...	...	...	...	...
...	37.884	+11.138	-3	...	...	...	...	49.047	+55.832	-4	m	...	...	...	...	...	...	...	...
...	38.121	-18.710	-4	...	...	...	...	49.087	+0.764	-3	e	...	...	...	...	...	...	...	...
...	+38.426	+40.992	-5	m	...	...	...	+49.222	+4.644	-1	...	...	...	...	...	...	...	...	...
...	38.465	+17.252	-5	m	...	...	...	49.704	+56.984	1.00	42.5590	9.8	...	...	...	...	...	...
...	38.883	+16.246	-5	m	...	...	...	49.993	+44.563	-5	m	...	...	...	...	...	...	...	...
...	39.071	-33.172	-5	m	...	...	...	50.523	+56.889	1.00	42.5592	9.7	...	...	...	...	...	...
...	39.237	+22.969	-4	m	...	...	...	50.578	-49.059	-5	m	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam. -5.	C.P.D.		Notes.	Co-ordinates.		Diam. 5.	C.P.D.		Notes.	Co-ordinates.		Diam. -5	C.P.D.											
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.										
1-60						61-120						121-180															
I	...	-59.970	+ 4.246	0.85	43.5618	10.0	61	...	-31.007	-10.399	- 5	B	...	121	...	0.799	+ 5.622	- 4	m	...							
...	...	59.942	+56.826	- 3	42.5590	9.8	...	...	30.830	-28.801	- 3	...	...	...	...	0.442	-37.674	- 5	M	...				
...	...	59.820	+25.220	- 5	...	...	...	...	29.901	-53.841	0.75	44.5790	10.2	†	...	0.322	+31.832	- 2	43.5648	10.6				
...	...	59.647	+ 2.822	- 5	...	...	...	...	29.719	-34.576	- 5	B	...	...	...	0.265	+34.894	- 5	...	...					
...	...	59.126	+56.759	- 1	42.5592	9.7	...	...	29.417	+22.601	- 5	...	...	...	...	* + 0.179	+ 2.881	1.10	43.5649	9.6				
...	...	-59.072	+ 5.259	0.85	43.5619	10.2	...	...	-29.254	+31.608	- 4	A	...	...	...	* + 0.209	- 0.022	1.20	43.5650	9.4				
...	...	58.850	+ 4.501	- 3	...	...	...	...	28.931	-50.392	- 4	44.5791	10.6	...	...	...	0.213	-23.677	- 4	44.5807	10.6			
...	...	58.850	+ 0.620	- 5	E	...	...	...	28.572	-50.625	- 3	44.5792	10.6	...	...	...	* 0.840	-33.842	1.10	44.5808	9.7			
...	...	57.521	+11.709	- 4	...	...	...	...	28.435	-46.376	- 4	A	...	...	...	...	* 0.968	+31.034	1.00	43.5651	10.0			
...	...	56.542	+19.234	- 3	...	...	...	...	27.238	-21.598	0.90	44.5793	10.0	...	...	...	...	1.420	+45.276	- 3	...	...			
II	...	-56.029	+32.440	- 4	43.5620	10.6	71	...	-26.578	+29.985	1.10	43.5630	9.8	131	...	...	...	+ 1.461	+46.502	- 5	...	...			
...	...	55.946	-33.169	- 4	44.5771	10.6	...	...	* 24.359	+28.151	1.20	43.5631	9.5	...	...	...	...	1.913	+50.421	- 2	43.5652	10.6		
...	...	55.533	- 3.489	0.90	43.5621	10.2	...	...	* 24.202	+23.971	1.00	43.5632	10.0	...	...	...	...	2.115	+ 2.722	- 4	Ma	...		
...	...	55.014	- 1.744	- 3	...	...	...	...	* 24.148	+28.888	1.10	43.5633	9.8	...	...	...	...	2.596	-43.619	- 5	...	...			
...	...	54.091	- 6.508	- 3	...	...	...	...	* 22.486	+39.325	1.20	43.5634	9.5	...	...	...	...	2.746	-58.183	- 5	M	...		
...	...	-53.880	+24.658	- 3	...	...	...	...	* -22.275	+55.681	1.00	42.5620	9.6	...	...	...	...	+ 2.872	+24.402	- 5	m	...		
...	...	53.233	-38.807	- 4	44.5773	10.5	...	...	...	22.112	-40.984	- 2	44.5795	10.6	...	...	...	...	3.439	+21.779	- 5	...	...		
S*	...	53.011	-18.620	2.28	44.5775	8.3	...	...	...	21.690	-57.365	0.75	44.5796	10.2	...	...	...	...	3.693	-27.879	- 5	M	...	
...	...	52.770	+54.595	- 4	42.5598	10.2	...	...	...	21.113	-48.103	- 5	...	...	...	...	...	...	4.034	-51.654	- 5	...	...		
...	...	* 52.694	-59.483	1.35	44.5774	9.5	...	...	...	20.756	+ 3.535	- 4	43.5635	10.6	...	...	...	...	4.234	-48.918	- 4	...	...		
21	...	-52.265	-44.837	1.38	44.5776	9.4	81	...	...	-20.582	-58.882	0.70	44.5797	10.6	141	...	...	...	+ 4.405	-52.552	- 5	...	...		
S*	...	52.018	+58.865	- 3	42.5601	9.9	...	...	...	20.524	+58.366	- 5	...	...	...	...	...	...	* 4.840	+49.978	1.00	43.5653	10.0	
...	...	51.881	+16.315	- 3	...	...	...	...	...	18.364	+52.523	- 5	42.5624	10.2	...	...	...	...	5.582	- 3.029	- 5	M	...	
...	...	51.793	+51.558	- 5	42.5599	10.2	...	...	...	18.066	+32.920	0.70	44.5798	10.3	...	...	...	...	* 5.751	-37.723	1.00	44.5809	10.0	
...	...	51.391	-36.001	- 5	...	...	...	...	...	17.759	+15.864	0.70	43.5636	10.6	...	...	...	...	* 5.781	+48.720	1.10	43.5654	9.9	
...	...	-50.801	-43.426	- 3	44.5778	10.6	...	...	...	-17.723	-52.058	- 1	44.5799	10.6	...	...	...	...	+ 6.142	-14.962	0.90	44.5810	9.9	
...	...	* 50.366	-11.654	1.00	44.5779	10.0	...	...	...	17.406	+ 6.334	1.45	43.5637	9.2	...	...	...	...	...	6.216	+48.563	- 5	43.5655	10.6
...	...	49.556	+ 7.040	- 4	43.5622	10.6	...	...	...	16.361	+55.969	- 1	42.5627	9.8	...	...	...	...	...	6.389	+27.665	0.65	43.5656	10.6
...	...	49.423	-53.751	- 1	44.5780	10.0	...	...	...	15.747	-47.988	- 4	...	...	...	...	...	...	...	6.570	-41.263	- 5	...	...	
...	...	* 48.323	- 9.105	1.00	44.5781	9.9	...	...	...	15.570	-50.718	0.80	44.5800	10.4	...	...	...	...	...	7.069	- 1.749	- 4	...	...	
31	...	-48.235	+36.573	- 2	43.5624	10.6	91	...	...	-15.123	-36.667	- 4	...	...	151	...	...	...	* + 7.410	-13.132	1.15	44.5811	9.7	
...	...	48.133	+14.534	- 1	43.5623	10.6	...	...	...	15.019	-27.949	- 4	...	...	...	...	...	...	...	8.038	-14.859	- 5	a	...
...	...	46.357	-35.393	- 5	...	...	S*	...	...	14.976	+25.974	2.25	43.5638	8.0	...	...	...	...	...	8.211	+24.110	0.70	43.5657	10.2
...	...	46.255	+18.715	- 5	...	...	...	...	...	14.725	+23.369	- 5	...	...	...	...	...	...	...	8.487	+36.975	- 4	...	...	
...	...	45.886	-46.913	0.90	44.5782	10.0	...	...	...	14.723	+26.272	1.60	43.5639	9.0	...	...	...	...	...	8.777	-16.430	0.95	44.5812	10.0
...	...	-44.754	+16.392	- 5	...	...	...	...	...	-14.290	-25.191	- 4	...	...	...	...	...	...	...	† + 8.831	-49.655	- 5	...	...	
...	...	44.686	+59.072	- 5	42.5605	9.8	...	...	...	13.411	-56.240	0.70	44.5801	10.3	...	...	...	...	...	* 8.958	-12.510	1.00	44.5813	9.9
...	...	44.391	- 4.229	0.75	43.5625	10.6	...	...	...	12.301	-41.718	0.90	44.5802	10.3	...	...	...	...	...	† 9.570	-22.351	- 3	44.5814	10.5
...	...	43.493	+51.715	- 4	...	...	...	...	...	11.402	- 1.168	- 4	B	...	...	...	...	...	...	† 9.666	+33.447	- 4	43.5658	10.6
...	...	† 42.554	+20.129	- 4	...	...	...	...	...	10.956	-24.579	- 4	...	...	...	...	...	...	...	† 9.711	+ 8.751	1.00	43.5659	10.0
41	...	-41.765	-35.806	- 5	101	-10.574	+23.001	- 5	43.5640	10.6	161	+10.394	+36.007	- 4		
...	...	40.873	- 7.930	- 5	10.478	-42.940	0.90	44.5803	10.0	10.809	+17.725	- 4		
...	...	40.596	-18.736	- 4	9.696	+54.923	- 5	10.870	+ 8.264	- 3	43.5660	10.6		
...	...	† 40.314	-22.586	0.90	44.5784	10.0	9.387	- 3.260	- 5	43.5641	10.6	11.466	-38.614	0.90	44.5815	10.0		
...	...	40.059	-26.989	0.90	44.5785	10.2	8.983	+44.276	- 1	43.5642	10.6	S*	11.812	+ 2.669	1.95	43.5661	8.4		
...	...	-39.849	+36.295	- 4	- 8.678	+ 9.949	0.70	43.5643	10.3	+11.835	-59.302	0.90	44.5817	10.0		
...	...	39.018	-43.015	0.90	44.5786	10.2	7.574	+48.418	0.65	43.5644	10.6	* 11.919	-15.729	1.00	44.5816	10.0		
...	...	38.778	+55.610	- 5	42.5609	9.8	7.409	+ 2.667	1.40	43.5645	9.5	12.462	+40.740	0.90	43.5662	10.0	
...	...	38.778	-58.124	- 2	44.5787	10.6	* 6.757	-55.405	1.00	44.5804	9.9	13.628	+24.022	0.70	43.5663	10.2	
...	...	38.748	+24.214	0.90	43.5626	10.2	4.362	+26.658	- 5	m	13.127	- 1.601	1.20	43.5664	9.6	
51	...	-38.466	-26.521	- 4	- 4.195	+52.592	- 5	171	+14.246	-12.233	- 4	44.5818	10.6	
...	...	37.458	+ 7.783	- 4	† 4.072	-49.699	- 2	14.356	-18.157	- 4	44.5819	10.5	
...	...	36.853	-47.190	- 2	† 4.002	-49.576	- 1	44.5805	10.0	* 14.739	-53.815	1.25	44.5820	9.2	
...	...	36.359	+ 5.089	- 5	2.834	+46.739	0.75	43.5646	10.6	15.311	- 24.216	- 5
...	...	36.030	+56.519	0.90	42.5610	9.6	...	...	...	...	2.822	-27.800	-											

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-220						221-260						261-288					
181	+18.429	-40.465	5	...	...	221	+32.711	-18.718	5	...	...	261	+50.724	+14.635	5	...	...
...	18.882	-15.831	5	...	...	...	32.810	-23.403	0.75	44.5835	10.2	...	51.247	-39.857	0.90	44.5853	10.0
...	19.279	+23.073	5	...	...	...	33.860	-26.812	4	...	...	...	51.492	-13.409	0.70	44.5852	10.6
*	19.300	+17.552	1.25	43.5667	9.5	...	33.978	-18.021	3	44.5836	10.6	...	51.767	+37.787	5	...	...
...	20.394	+10.512	0.70	43.5668	10.6	...	34.057	-15.164	5	...	...	...	51.816	-1.280	5	...	...
...	+20.491	-31.063	0.70	44.5823	10.6	*	+35.482	-13.255	1.15	44.5837	9.8	...	+52.627	+0.100	4	...	...
...	20.830	-22.164	5	...	...	...	35.528	+10.392	0.80	43.5678	10.3	*	52.702	+42.944	1.80	43.5688	9.2
...	21.475	-49.152	4	...	...	...	35.957	+48.618	0.90	43.5679	10.0	...	53.400	+27.934	4	43.5689	10.6
...	21.686	+37.819	5	...	...	...	36.278	+49.161	5	...	...	...	53.501	+59.092	0.65	42.5661	9.5
...	21.850	-49.194	0.70	44.5824	10.6	...	37.105	-6.303	5	...	...	*	53.667	+59.507	2.10	42.5663	8.8
191	+21.900	-44.444	1	44.5825	10.6	231	+37.136	+28.182	0.90	43.5680	10.0	271	+54.716	+26.877	5	...	...
...	22.303	-41.544	5	...	...	*	37.250	-19.099	1.30	44.5838	9.4	...	54.991	-52.297	4	...	...
...	23.026	+51.707	0.80	43.5669	10.0	...	37.482	+5.511	5	a	...	...	55.224	-7.528	5	...	...
...	24.115	+35.820	5	...	...	*	37.943	-22.362	2.70	44.5839	8.0	...	55.471	-46.110	3	44.5854	10.6
...	24.118	-53.049	1	44.5826	10.3	*	38.049	+48.184	1.15	43.5681	9.9	...	55.553	+4.876	1	43.5691	10.5
...	+24.948	+1.162	5	...	...	...	+39.078	-19.049	3	44.5841	10.4	...	+55.947	-44.763	4	...	...
S*	25.046	+43.398	1.20	43.5670	9.6	S*	39.424	-48.883	5	...	...	S*	56.282	-16.626	1.63	44.5855	9.1
...	25.635	+31.449	4	...	...	...	40.315	+13.681	4.10	43.5682	6.9	...	56.373	+46.350	5	43.5690	10.5
...	25.692	-37.624	4	...	...	...	40.504	-20.919	4	44.5842	10.6	...	56.569	-45.173	1	44.5856	10.6
...	25.865	-11.455	5	...	...	...	40.853	-42.309	0.90	44.5843	10.2	S*	56.658	+40.701	1.90	43.5692	8.8
201	+26.339	-36.951	5	...	...	241	+42.158	+59.350	0.85	42.5654	9.8	281	+57.038	-56.761	0.80	44.5859	9.9
...	26.460	-42.511	5	...	...	...	42.557	-54.958	3	...	...	...	57.159	+50.716	1	43.5693	10.6
*	27.708	-10.779	1.00	44.5828	9.9	...	42.798	-24.318	3	44.5844	10.4	...	57.391	-10.601	4	44.5858	10.6
...	27.843	+36.830	4	...	...	...	43.733	-2.576	5	...	...	...	57.451	-36.732	0.90	44.5860	10.0
*	27.861	-22.501	1.00	44.5829	10.0	*	44.329	-39.432	1.10	44.5845	9.9	...	57.493	+18.374	4	43.5694	10.5
...	+28.387	+36.750	0.95	43.5671	10.2	†	+44.465	+37.171	2	43.5683	10.6	...	+58.698	-29.443	0.80	44.5861	10.0
N	28.499	+23.666	4	...	...	*	44.682	-15.261	1.30	44.5846	9.5	...	58.827	+6.299	0.70	43.5695	10.5
N	28.509	+23.705	2	43.5672	10.4	...	44.746	-41.353	4	...	...	...	59.287	-29.079	0.80	44.5862	9.8
...	28.651	+5.483	5	a	...	N*	44.753	-52.464	1.40	44.5847	9.0	...					
*	29.796	+29.392	1.40	43.5673	9.2	...	44.770	-58.303	2	...	...	...		
211	+29.797	-49.954	1.28	44.5830	9.2	251	+44.795	-43.190	5	...	...	...		
S*	29.840	+9.388	1.50	43.5674	9.0	...	45.639	+20.692	4	...	...	...		
*	30.047	-54.820	3	44.5831	10.6	...	45.951	-52.713	0.70	...	...	...		
...	30.399	+29.594	1	43.5675	10.6	...	46.149	+23.744	2	43.5684	10.6	...					
...	30.486	-13.792	0.90	44.5832	10.0	...	46.592	-20.208	3	44.5849	10.3	...					
*	+30.512	-15.896	1.50	44.5833	8.6	*	+46.832	-19.869	1.80	44.5850	9.0	...					
...	30.668	-17.418	3	44.5834	10.6	...	46.853	-34.986	4	44.5851	10.4	...					
...	31.115	+23.789	2	43.5676	10.6	...	47.203	+11.470	4	43.5685	10.6	...					
...	31.345	+22.056	0.85	43.5677	10.2	*	49.375	+0.752	1.10	43.5686	9.5	...					
...	31.395	+18.428	5	...	...	*	50.022	+48.566	1.80	43.5687	9.2	...					

207, 208. 43°·73, mass.

249. Var. L=8.8-9.8.

1-10						11-20						21-30					
I	-59.371	+48.436	1.50	43.5687	9.2	11	-55.389	+27.912	3	43.5689	10.6	21	-51.138	-16.549	1.53	44.5855	9.1
*	58.563	+0.615	1.20	43.5686	9.5	†	55.305	+0.058	4	...	...	S*	51.063	-46.060	4	44.5854	10.6
...	57.641	+14.527	5	...	...	...	54.027	+26.885	4	...	...	...	50.987	+18.475	3	43.5694	10.5
...	57.318	+37.700	5	...	...	...	53.394	-31.785	5	...	...	...	50.672	-16.879	5	...	...
*	56.534	+42.888	1.45	43.5688	9.2	...	52.955	+46.396	3	43.5690	10.5	...	50.209	-10.490	2	44.5858	10.6
...	-56.227	+59.064	0.80	42.5661	9.5	...	-52.643	-43.344	5	...	...	†	-49.989	-45.098	4	44.5856	10.6
...	56.078	-1.347	5	...	...	S*	52.502	+40.764	1.73	43.5692	8.8	...	49.363	-36.608	1.00	44.5860	10.0
*	56.071	+59.471	2.40	42.5663	8.8	...	52.482	-7.485	5	...	...	...	49.302	+6.449	0.80	43.5695	10.5
...	56.033	-13.475	2	44.5852	10.6	...	52.305	+50.789	4	43.5693	10.6	...	49.163	-56.640	1.00	44.5859	9.9
†	55.465	-39.934	0.90	44.5853	10.0	...	52.229	-4.825	1	43.5691	10.5	...	48.338	-29.278	1.00	44.5861	10.0

B measured from 1, 100, 195.
CH 48, 152, 235.

Diameters under 1.00 generally underestimated.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
	31-90						91-150						151-210					
31	-47.759	-28.906	1.00	44.5862	9.8	91	-24.539	-8.917	1.40	0		151	-6.180	-13.089	0.90	44.5900	9.9	
...	47.265	-20.881	-5	...	...	n *	23.473	+51.532	-5	...	...	...	+2.675	-41.290	-5	...	...
...	47.026	-4.158	-5	...	...	...	22.861	-45.350	-3	44.5882	10.6	...	...	3.901	-22.875	-3	44.5901	10.6
...	46.892	-40.400	-5	44.5863	10.6	...	21.574	-37.632	-5	...	...	...	...	4.081	+53.513	-4	42.5695	10.2
...	46.771	+52.942	-3	42.5669	10.0	...	21.455	-51.199	-3	44.5884	10.6	...	...	4.370	-22.577	-5	...	...
†	-45.086	+10.039	0.80	43.5696	9.9	...	-21.406	-49.326	-3	44.5885	10.6	...	...	+4.522	+26.085	-5	A m	...
*	44.463	-31.643	1.20	44.5865	9.2	†	21.014	+34.996	-5	...	...	...	...	6.047	-4.916	-4	43.5729	10.6
...	44.156	-52.263	2.80	44.5866	7.4	*	20.846	+38.653	-3	43.5711	10.4	...	...	6.220	-55.314	-4	44.5902	10.6
...	43.946	-16.562	-4	...	...	...	20.352	-4.381	0.70	43.5712	10.0	*	...	6.580	+24.692	1.10	43.5730	9.9
...	43.524	+56.357	-1	42.5670	9.7	...	19.383	-34.399	-4	44.5888	10.6	...	...	7.150	+16.668	0.90	43.5731	10.2
41						101						161						
...	-42.566	+44.629	-4	43.5698	10.6	...	-18.990	+27.777	-4	...	...	...	...	+7.517	+16.691	0.75	43.5732	10.2
...	42.491	+40.345	-5	43.5697	10.6	...	18.642	-4.509	0.70	43.5713	10.5	S*	...	7.861	+59.676	1.70	42.5698	8.7
*	42.358	-24.223	1.25	44.5867	9.4	*	18.390	-37.124	1.80	44.5889	8.8	...	...	8.164	+36.928	-2	43.5733	10.3
*	41.331	-18.518	1.25	44.5868	9.2	...	18.187	+27.113	1.00	43.5714	9.9	...	...	8.486	-46.483	-5	a	...
n	40.789	-31.811	0.70	44.5869	9.5	...	16.814	+40.256	-5	...	...	...	...	8.952	+42.794	-5	...	...
*	-40.665	+16.239	3.00	43.5699	7.6	...	-16.490	+14.406	-4	43.5715	10.6	...	...	+8.977	-39.732	-5	...	...
n *	40.597	-31.916	1.10	44.5869	9.5	...	15.786	-45.539	-4	...	...	...	...	9.590	-18.234	1.20	44.5903	9.8
...	39.687	-37.083	-2	44.5870	10.2	...	15.685	-21.177	-5	44.5890	10.6	*	...	10.055	-40.949	1.45	44.5905	8.8
...	39.240	+8.482	-5	A	...	...	15.153	-1.947	0.70	43.5716	10.2	*	...	10.062	-11.462	1.30	44.5904	9.9
...	38.909	+6.358	-4	...	...	...	14.869	-59.141	-5	...	...	...	...	10.542	-6.854	-5	...	...
51						111						171						
...	-38.098	-48.338	-5	...	...	...	-13.934	+7.646	0.70	43.5717	10.0	...	...	+10.590	-5.531	-3	43.5734	10.6
*	37.659	-11.763	1.10	44.5871	10.0	*	13.930	+51.113	1.50	43.5718	9.0	...	...	10.772	+1.967	-4	...	...
...	37.395	+45.724	-5	...	...	...	12.615	-10.858	-4	...	...	...	...	12.489	-47.167	0.75	44.5906	10.2
...	37.365	+40.367	0.65	43.5700	10.2	...	11.430	-30.050	-3	44.5891	10.6	...	...	12.523	+16.081	-4	...	...
...	37.064	-21.732	-2	44.5872	10.3	...	10.817	+2.332	-5	A	...	...	...	12.757	-38.123	-4	...	...
...	-36.847	+18.833	-4	...	...	†	-10.041	+11.144	-2	43.5719	10.5	...	...	+13.342	-46.624	-5	...	...
*	36.607	-31.138	1.80	44.5873	9.0	*	9.866	-52.018	1.30	44.5892	9.4	...	...	13.989	-34.472	-5	...	...
...	36.583	+4.129	-1	43.5701	10.6	...	9.162	+30.374	-5	...	...	...	...	15.129	+43.183	1.10	43.5735	10.0
...	36.031	+46.429	-2	43.5702	10.4	...	8.618	+36.193	-4	...	...	...	...	15.489	-28.485	1.35	44.5908	9.2
...	35.932	+35.283	-5	A	...	...	8.398	+55.902	-5	...	...	...	...	15.983	+38.698	-5	...	...
61						121						181						
*	-35.861	-33.703	2.20	44.5874	8.4	...	-7.934	-56.096	-5	...	...	...	...	+16.334	+16.706	-2	43.5736	10.4
...	34.854	-6.267	-5	...	...	...	7.677	-54.157	-4	...	...	...	...	16.767	-7.979	-5	...	...
...	34.826	-45.498	-5	...	...	*	7.562	+27.344	1.50	43.5720	9.0	*	...	16.900	-37.113	1.20	44.5909	9.8
...	34.768	-0.683	-5	B	...	...	7.107	-43.260	-4	...	...	...	...	16.942	+49.350	-3	43.5737	10.6
...	34.690	-22.279	-4	...	...	...	6.489	-58.879	-5	...	...	...	...	17.063	+4.351	-2	43.5738	10.6
...	-34.188	-53.692	-2	44.5875	10.2	...	-6.086	+10.725	-2	43.5721	10.4	...	...	+17.200	+56.027	-5	...	...
...	33.015	+45.558	-2	43.5703	10.2	...	5.835	+35.185	0.95	43.5722	10.2	...	...	17.564	-46.217	-5	...	...
...	33.006	+39.185	-5	...	...	S*	5.376	+13.163	2.00	43.5723	8.3	*	...	18.015	-38.804	1.50	44.5910	8.8
...	32.819	-58.465	-5	...	...	...	5.349	-24.289	-3	44.5893	10.6	...	...	18.430	-12.210	-5	...	...
...	32.300	-5.575	0.80	43.5704	10.6	...	5.295	-48.061	-5	...	...	...	...	18.744	+45.846	-3	43.5739	10.6
71						131						191						
...	-31.785	-14.693	-5	...	...	...	-4.520	-31.372	-5	...	...	...	...	+19.466	-17.143	-2	44.5911	10.4
...	31.196	-49.592	-4	44.5876	10.6	*	4.227	+4.091	1.30	43.5724	9.4	...	...	19.478	+59.601	-4	42.5701	10.2
...	31.031	+47.688	-5	...	...	...	4.051	-58.801	-5	44.5894	10.6	...	...	19.576	-51.437	-5	...	...
S†	30.027	+33.284	1.85	43.5705	8.4	S*	4.016	+26.661	2.33	43.5725	8.0	...	...	19.745	-57.504	-5	44.5912	10.6
†	29.927	-37.467	-3	44.5877	10.0	...	3.673	+53.030	-5	...	...	...	...	20.460	+23.592	-5	...	...
...	-29.588	-24.322	-5	...	...	*	-3.633	-56.185	1.70	44.5895	8.8	...	...	+20.461	+35.673	-5	...	...
...	29.425	+3.872	-2	43.5706	10.6	...	3.353	+46.387	0.75	43.5726	10.5	...	...	21.071	+13.306	-1	43.5740	10.4
*	28.212	+40.245	1.20	43.5707	10.0	†	3.021	+59.807	-4	42.5688	10.2	...	...	21.638	+17.689	-3	...	...
†	28.162	-4.917	-5	...	...	...	2.766	+59.411	-3	42.5689	10.0	...	...	21.734	+24.187	-5	...	...
...	27.778	+13.945	-2	43.5708	10.4	...	1.967	-52.072	0.70	44.5896	10.3	...	...	23.256	-55.471	-4	44.5913	10.6
81						141						201						
S*	-27.245	-58.452	1.70	44.5878	9.2	...	-1.660	-25.487	0.70	44.5897	10.3	...	...	+23.439	+38.988	0.90	43.5741	10.2
...	27.198	-17.513	-4	...	...	...	1.652	+52.167	0.85	42.5692	9.8	...	...	23.574	-46.705	-3	...	...
...	26.136	-12.383	-5	...	...	...	1.621	+1.067	-4	A m	...	...	...	24.261	-13.015	-5	...	...
...	26.121	-14.119	-5	...	...	...	1.436	-55.448	-5	...	...	...	...	24.266	-27.185	-5	...	...
...	25.704	+23.216	-3	43.5709	10.6	...	1.343	+31.134	-3	...	...	...	...	24.491	-46.817	1.30	44.5914	9.5
...	-25.447	+22.116	-2	43.5710	10.5	...	-1.340	-56.476	1.00	44.5898	10.0	...	...	+25.133	+12.377	1.00	43.5742	10.2
...	25.396	-47.897	-5	...	...	...	1.102	-22.898	-5	...	...	...	...	25.846	-57.543	-4	...	...
*	25.239	-20.440	1.50	44.5879	9.0	...	1.015	+32.624	-1	43.5727	10.6	...	...	25.893	-55.708	-4	44.5916	10.6
S†	25.057	-20.235	2.00	44.5880	8.8	...	0.496	-1.174	0.70	43.5728	10.2	...	...	26.596	-3.699	-5	...	...
n *	24.541	-9.158	0.80	44.5881	8.5	*	0.288	-46.543	1.20	44.5899	9.7	*	...	26.808	+50.086	1.25	42.5707	9.5

45, 47. C.P.D., mass.

00, 01. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-240						241-270						271-277					
211						241						271					
S*	+26.836	-50.338	2.85	44.5917	7.8	...	+44.420	-33.734	-4	44.5924	10.6	...	+55.900	-14.788	-5	...	...
...	28.648	+20.549	-2	43.5743	10.5	...	44.996	+25.823	-5	...	...	...	56.043	-26.364	-4	...	...
...	28.868	+31.948	-4	...	...	...	45.359	+23.399	-2	43.5751	10.3	...	57.696	-18.750	-5	...	...
...	29.881	+26.558	-5	...	...	...	45.452	+24.916	-5	a	...	...	58.185	+1.482	-3	43.5760	10.6
...	30.173	-4.546	1.00	43.5745	9.8	...	46.854	-28.719	-4	44.5926	10.6	...	58.452	-5.116	-5	43.5761	10.6
*	+30.371	+14.370	1.25	43.5744	9.6	...	+47.105	-27.679	-3	44.5927	10.6	*	+59.165	-22.015	1.25	44.5934	9.9
...	30.448	-13.841	-4	...	...	...	47.418	+14.296	0.90	43.5752	10.3	...	59.215	-45.805	-2	44.5935	10.0
*	30.655	-17.634	1.10	44.5918	10.0	S*	47.543	-21.938	1.75	44.5928	8.4						
...	30.704	-48.921	0.80	44.5919	10.4	...	47.547	+19.600	-4	...	...				
...	30.903	-7.428	-5	...	...	...	47.653	+23.411	-5	...	...				
221						251											
...	+31.136	-42.900	-5	...	...	...	+47.811	-11.478	-4	...	...				
...	33.103	-18.159	0.95	44.5921	10.2	...	48.480	+26.856	0.80	43.5753	10.2						
...	33.802	+38.725	-4	...	...	...	48.701	+56.406	-5	42.5724	10.3						
...	33.974	-48.065	-5	...	...	...	49.165	+30.511	0.80	43.5754	10.3						
...	34.187	+16.758	-3	43.5746	10.6	...	49.391	+2.656	-4	...	...				
...	+34.352	-48.919	-5	...	...	...	+49.502	-21.039	-5	...	...				
...	35.941	+30.877	0.95	43.5747	10.2	*	50.531	+33.120	1.25	43.5755	9.6						
S*	36.108	+24.512	1.90	43.5748	8.5	*	50.603	-22.049	1.20	44.5929	9.9						
...	36.301	-1.995	-4	...	...	...	51.069	+30.190	-5	...	...				
...	36.524	+46.535	-5	...	...	...	51.477	-56.040	-3	44.5930	10.2						
231						261											
...	+36.831	-36.246	1.00	44.5922	10.0	...	+51.714	+29.343	0.90	43.5756	10.0						
...	38.441	-51.895	-5	...	...	...	51.934	+18.366	-4	43.5757	10.6						
...	38.535	+9.794	5	...	...	...	52.986	-41.233	-2	44.5931	10.2						
†	39.792	-49.103	0.70	44.5923	10.0	...	53.632	+21.852	-4	43.5758	10.6						
...	40.431	-33.045	-5	...	...	*	54.178	+1.234	1.10	...	...				
...	+40.755	+51.464	-5	43.5749	10.4	...	+54.214	+3.961	-5	e	...						
...	40.813	-5.537	-3	...	...	...	54.228	+19.268	-5	...	...				
...	42.327	-8.451	-5	...	...	...	54.333	-52.868	-4	44.5932	10.3						
*	43.326	-2.160	1.20	43.5750	9.6	...	55.321	-25.205	-5	...	...				
...	44.248	-17.421	-4	...	...	...	55.832	+13.627	-2	43.5759	10.4						

1-20						21-40						41-60					
I	x.	y.	Diam.	No.	Mag.	21	x.	y.	Diam.	No.	Mag.	41	x.	y.	Diam.	No.	Mag.
...	-59.756	-11.659	-5	...	...	...	-51.093	-26.295	-3	...	...	41	-43.297	-8.373	0.70	...	...
S*	59.707	-22.122	2.00	44.5928	8.4	...	49.791	+1.607	-3	43.5760	10.6	...	43.133	-50.183	2.00	44.5940	8.8
...	59.687	+30.347	-4	43.5754	10.3	†	49.313	-4.983	-3	43.5761	10.6	S*	43.032	+34.996	-1	43.5765	10.4
...	58.604	+2.517	-5	...	...	...	48.083	-21.844	1.00	44.5934	9.9	†	42.358	-36.882	-5	...	...
...	58.408	+32.995	1.00	43.5755	9.6	...	47.698	+4.227	-3	...	...	...	42.070	+3.801	-5	...	...
...	-57.783	-21.169	-5	...	...	...	-47.542	-21.716	-5	...	...	...	-41.941	+44.086	-3	43.5766	10.6
...	57.771	+30.083	-5	...	...	...	47.313	-45.627	0.95	44.5935	10.0	...	41.761	+47.998	-5	...	...
...	57.097	+29.262	0.90	43.5756	10.0	...	47.066	+33.277	0.70	43.5762	10.2	...	41.136	-17.798	1.00	44.5941	9.8
*	56.659	-22.142	1.25	44.5929	9.9	...	46.478	-26.024	0.70	44.5936	10.5	...	40.707	+16.960	2.00	43.5767	8.0
...	56.571	+18.287	-4	43.5757	10.6	...	46.135	+30.320	-5	...	...	*	40.500	-38.583	-5	...	...
11						31						51					
†	-54.960	+21.838	-4	43.5758	10.6	...	-45.702	+38.438	-5	...	...	...	-40.038	-49.704	-1	...	...
...	54.753	-56.085	-2	44.5930	10.2	...	45.688	-19.145	-5	44.5937	10.6	...	39.305	+43.373	-3	...	...
...	54.302	+19.261	-5	...	...	...	45.520	-42.254	-5	...	...	...	38.615	-45.065	-2	...	...
...	53.835	+3.970	-4	E	...	...	45.440	-3.645	0.90	43.5763	10.0	...	38.106	+23.747	-4	...	...
...	53.791	+1.236	0.80	...	...	...	45.154	-22.324	-5	...	...	...	37.913	-19.347	1.60	44.5942	9.0
...	-53.676	-41.248	-1	44.5931	10.2	...	-44.534	-20.398	1.00	44.5938	9.8	*	-37.401	-38.213	0.65	...	...
...	52.508	+13.669	0.65	43.5759	10.4	...	44.180	+26.366	-2	43.5764	10.6	...	36.944	-20.921	-5	...	...
...	51.978	-52.829	-1	44.5932	10.3	*	44.169	-27.185	1.50	44.5939	9.0	...	36.353	+26.864	-4	...	...
...	51.841	-25.155	-5	...	...	...	43.982	+46.307	-5	...	...	...	36.325	-52.602	-3	...	...
...	51.577	-14.719	-5	...	...	...	43.726	-25.371	-5	...	...	...	35.766	+20.932	-5	...	...

S measured from 1, 74, 185, 265.
B " " 36, 133, 223.

Diameters of faint stars underestimated.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
61	-35.330	-15.165	-3	...	...	121	-16.299	+15.137	-5	A	...	181	+3.233	+45.243	-5	m	...
...	35.026	-32.352	-5	...	...	*	15.726	-11.556	1.00	44.5954	9.8	...	3.533	-36.204	-4	...	...
...	34.242	-39.383	-3	...	...	...	14.256	+58.440	-3	42.5748	10.2	...	4.749	-9.458	-3	...	...
...	33.177	+40.155	0.90	43.5768	9.8	*	14.223	-6.957	2.00	43.5776	8.6	†	4.868	+53.503	1.00	42.5760	9.4
...	33.005	-26.949	-5	A	...	...	14.059	+43.118	-3	...	...	...	5.594	+13.685	-5	...	...
...	-32.780	-13.810	-5	...	...	...	-13.188	+30.707	-5	...	...	†	+5.898	-4.873	-5	...	...
...	32.421	+36.984	-4	...	...	...	12.347	+33.221	-5	...	...	*	6.170	-52.449	1.60	44.5964	9.0
...	32.318	-33.943	-3	...	...	...	11.950	+13.405	-4	...	...	...	6.261	-33.205	-3	...	...
...	32.218	+21.003	1.00	43.5769	9.8	...	11.628	+11.611	-5	A	...	...	6.611	-0.361	-5	b	...
*	31.867	-36.664	2.00	44.5944	8.6	*	10.971	-29.045	1.30	44.5955	9.3	...	7.150	-40.701	-5	...	...
71	-31.726	-52.290	-5	A	...	131	-10.685	-58.184	-4	...	...	191	+8.309	+54.097	-5	...	...
...	30.901	-32.466	1.00	44.5945	9.8	...	10.629	+38.613	0.70	...	...	*	8.396	+31.336	1.10	43.5783	9.8
...	30.101	-31.154	-3	...	...	...	9.935	+34.523	-5	...	...	*	8.616	-6.182	1.40	43.5784	9.3
...	29.642	+16.323	-5	...	...	...	9.708	+6.410	-5	A	...	...	8.647	+13.490	-3	...	...
...	29.626	-38.756	-5	A	...	...	9.652	+27.324	-5	A	...	...	8.965	-49.409	-5	b	...
...	-29.502	-17.809	-5	...	...	...	-9.569	-51.178	-1	...	...	...	+9.088	-57.648	0.70	...	...
...	29.129	-2.783	0.80	...	...	...	9.520	+29.237	0.70	...	...	...	9.140	+36.511	-3	...	...
...	28.692	-52.107	0.80	...	...	...	9.064	+13.568	-5	A	...	†	9.834	-13.298	-4	...	...
...	28.216	-6.192	-5	A	...	...	7.785	-47.983	-5	...	...	†	9.962	-16.399	-4	44.5965	9.8
...	27.998	-32.100	1.00	44.5947	9.8	...	7.711	-6.787	-5	A	...	†	10.428	+5.130	-5	a	...
81	-27.937	-57.724	0.70	44.5946	9.8	141	-7.608	+0.244	-4	α	...	201	+10.804	+17.426	1.00	43.5785	9.6
*	27.669	+10.326	1.60	43.5770	8.8	...	7.375	+24.503	-3	...	...	...	11.347	+43.699	-5	...	...
...	27.466	-5.732	-5	A	...	†	6.959	-19.780	1.40	44.5958	9.2	*	11.414	-57.387	1.20	44.5966	9.6
...	27.125	-40.397	-5	...	...	...	6.684	-58.266	-5	...	...	...	11.825	-7.486	-5	a	...
...	27.092	+17.659	-3	...	...	...	6.078	+0.871	-4	A	...	S*	12.683	-11.739	3.00	44.5967	7.6
*	-26.973	-20.967	1.40	44.5948	9.4	...	-5.977	-58.610	-5	...	...	...	+12.837	+50.357	0.80	43.5786	9.8
...	26.970	+36.536	-3	...	...	...	5.776	-55.768	-5	...	...	...	13.509	-8.894	-5	a	...
...	25.970	+7.819	0.80	43.5771	9.8	...	5.543	-46.731	-5	m	...	*	14.097	-0.411	1.80	43.5787	8.9
...	25.780	-33.982	-5	A	...	...	5.290	+10.673	-1	...	...	...	14.102	-15.402	-4	...	...
...	25.389	-52.900	-1	...	...	S†	5.076	+32.701	1.50	43.5777	9.0	...	14.184	+32.062	-5	...	...
91	-24.401	-42.261	0.70	...	...	151	-4.744	-4.247	-5	m	...	211	+14.494	-44.640	-4	...	...
...	24.217	-41.086	-5	...	...	...	4.660	+4.562	-3	...	...	...	14.792	-2.505	-5	a	...
...	23.955	+26.064	0.70	...	...	*	4.645	-55.480	1.40	44.5959	9.4	...	15.245	-32.200	-5	...	...
...	23.259	+7.088	1.00	43.5772	9.8	...	4.489	+34.599	-2	...	...	...	15.836	-44.099	-5	...	...
...	23.008	-18.865	1.00	44.5950	9.8	...	4.031	+50.722	0.70	43.5778	10.2	S*	15.868	+3.996	2.70	43.5788	8.0
...	-22.262	-18.024	-4	...	...	...	-4.014	-57.092	-3	...	...	...	+16.918	+47.454	-5	...	...
†	22.169	+34.986	-5	...	...	*	3.762	-19.201	1.55	44.5960	8.8	...	17.052	-22.071	-5	a	...
*	21.564	-35.838	1.20	44.5951	9.5	...	3.419	-2.910	-5	m	...	S*	17.272	+50.470	1.18	43.5789	9.5
...	21.332	-2.443	-5	...	...	...	3.349	-35.282	-5	m	...	...	17.332	+9.516	-4	...	...
...	21.181	+44.380	-5	...	...	*	3.051	-7.600	1.35	43.5779	9.2	...	18.047	-28.379	-4	...	...
101	-20.510	+26.051	-5	...	...	161	-3.046	-43.692	-2	...	...	221	+19.435	-45.595	1.60	44.5968	9.2
...	20.434	-11.819	-5	...	...	...	2.741	+15.771	0.90	43.5780	9.8	...	19.526	-47.762	-5	...	...
S*	20.157	+13.994	1.60	43.5773	8.8	...	2.219	+42.022	0.75	...	...	...	20.510	+24.644	-4	...	...
...	20.152	-50.945	-3	...	...	*	2.116	+33.175	1.30	43.5781	9.2	...	20.859	+30.384	1.00	43.5790	9.6
...	19.735	+21.838	-5	...	...	*	1.958	+4.654	1.20	43.5782	9.4	...	20.971	+29.070	0.90	43.5791	9.8
...	-19.582	+16.788	-5	...	...	*	-1.389	-14.463	1.20	44.5961	9.3	...	+21.439	+10.860	-2	...	...
*	19.017	-8.301	1.50	43.5774	9.3	S*	-0.850	-52.730	1.65	44.5962	8.8	...	21.554	-32.034	-5	b	...
...	18.854	-40.196	-5	...	...	...	+0.226	-25.631	-4	A m	...	...	21.682	-27.798	0.70	44.5969	9.8
*	18.556	+38.095	1.20	43.5775	9.4	...	0.246	+12.950	-5	A m	...	...	21.925	-50.913	1.00	44.5970	9.8
...	18.483	+59.436	-4	42.5744	10.0	...	0.349	-16.841	-5	m	...	...	22.336	+28.583	-5	a	...
111	-18.448	-18.200	1.85	44.5952	8.7	171	+0.352	-34.034	-5	m	...	231	+22.683	+36.331	0.70	...	...
S*	18.309	-27.215	-2	...	...	...	0.966	-39.475	-5	m	...	...	22.902	+2.412	-5	a	...
...	17.886	-4.687	-4	...	...	...	1.700	+59.142	-5	...	...	...	23.451	+42.622	0.70	43.5792	9.8
...	17.656	-7.506	-5	...	...	...	1.775	+4.351	-5	A m	...	...	24.236	-58.856	-3	...	...
...	17.346	-14.281	-3	...	...	...	1.972	-58.109	-3	...	...	...	24.458	+20.739	-5	...	...
...	-17.286	-49.001	-5	...	...	...	+2.283	+37.850	-5	...	...	...	+25.338	+40.388	-5	a	...
...	17.099	-30.579	-5	...	...	...	2.310	-1.885	-5	m	...	...	25.355	-21.363	-4	...	...
*	16.927	-43.608	2.00	44.5953	8.9	...	2.618	-22.541	-2	...	...	...	26.583	-1.052	-4	...	...
...	16.515	-32.694	-5	...	...	...	2.682	+26.011	-2	...	...	*	26.715	-2.468	1.20	43.5793	9.5
...	16.356	+28.786	0.65	...	...	...	3.028	+26.066	-4	...	...	...	27.209	+51.749	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
241-270						271-300						301-317					
241	...	...	...	...	...	271	...	...	...	...	...	301	...	...	...	...	...
...	+27.304	+49.199	-5	...	...	...	+37.591	+22.583	-5	...	...	...	+52.556	+4.853	-4	...	...
*	27.316	-57.601	1.15	44.5971	9.6	...	37.655	+40.235	-4	...	...	...	53.615	-22.106	1.00	44.5990	9.4
...	27.752	-50.769	-3	...	...	...	37.864	-25.815	-2	...	...	...	53.823	+32.920	-5	...	...
...	27.890	-26.893	-5	...	...	...	38.116	-5.926	-5	b	...	...	54.148	-31.630	-5	...	...
...	27.900	+25.309	0.65	...	...	...	38.374	-57.445	-5	...	...	...	55.110	+30.193	-4	...	...
...	+28.086	-36.460	-4	...	...	*	+38.497	-4.307	1.30	43.5797	9.2	...	+55.760	-28.172	-5	...	...
...	28.264	+57.494	-5	...	...	*	38.765	+15.186	1.30	43.5798	9.2	*	56.386	-34.097	1.20	44.5991.	9.4
*	28.452	-32.084	2.00	44.5972	8.4	...	39.516	+16.476	-2	...	...	*	56.601	+10.684	2.80	43.5802	8.0
...	28.632	-10.549	-5	b	...	...	41.289	-3.706	-5	b	...	...	56.769	+25.841	-4	...	...
*	28.661	-28.237	1.20	44.5973	9.8	...	41.377	+41.333	0.80	43.5799	9.8	S*	56.819	-32.095	1.65	44.5992	8.9
251	...	...	...	...	...	281	...	...	...	...	...	311	...	...	...	...	...
...	+29.719	-38.380	-5	...	...	...	+41.412	+21.193	-2	...	...	*	+57.022	+35.506	1.30	43.5801	9.4
...	29.970	+47.644	-4	...	...	...	41.910	-28.866	0.70	44.5979	9.8	...	57.382	-38.714	-3	44.5993	9.8
*	30.661	+46.097	1.20	43.5794	9.5	...	44.010	-44.981	0.85	44.5980	9.8	...	57.463	+8.039	-4	...	...
...	31.647	-11.196	-5	d	...	...	44.185	+28.725	-5	...	...	...	58.247	+38.467	-4	44.5994	9.8
...	31.933	+23.730	-3	...	...	*	45.452	-44.988	1.20	44.5981	9.3	...	58.662	-6.511	-3	e	...
...	+33.256	-20.686	-3	...	...	...	+45.971	+56.961	-4	42.5801	9.8	...	+58.921	-17.828	-5	...	...
*	33.381	-25.359	1.20	44.5974	9.2	...	45.974	-54.565	-1	44.5983	9.8	*	59.574	-49.326	2.80	44.5995	8.0
...	33.522	-22.395	-4	b	...	...	46.446	-21.199	0.80	44.5984	9.8	...	...	...	...	...	...
...	33.808	+41.071	-4	...	...	...	46.967	+47.833	-5	...	...	...	...	...	...	...	...
...	33.943	+8.693	-3	...	...	...	47.545	-8.775	0.70	44.5985	9.8	...	...	...	...	...	...
261	...	...	...	...	...	291	...	...	...	...	...	...	...	...	...	...	...
...	+34.401	+24.623	0.95	43.5795	9.8	†	+47.833	-19.884	1.15	44.5986	9.2	...	...	...	...	...	...
...	34.574	-7.515	-5	b	...	S*	48.163	+36.221	1.43	43.5800	9.2	...	...	...	...	...	...
...	34.575	-46.700	-3	...	...	...	48.461	+19.356	-3	...	...	...	...	...	...	...	...
...	34.675	+41.167	-3	...	...	*	48.672	-26.151	1.30	44.5988	9.2	...	...	...	...	...	...
*	35.140	-37.095	1.20	44.5975	9.4	...	48.708	+3.371	-5	...	...	...	...	...	...	...	...
*	+36.005	-34.353	1.20	44.5976	9.5	*	+48.996	-22.246	1.15	44.5989	9.4	...	...	...	...	...	...
...	36.237	-7.762	0.95	43.5796	9.8	...	49.186	+41.866	-4	...	...	...	...	...	...	...	...
...	36.540	-7.325	-5	a	...	...	49.383	-36.152	-4	...	...	...	...	...	...	...	...
†	37.290	+55.040	1.60	42.5793	9.0	...	51.186	+1.180	-5	...	...	...	...	...	...	...	...
...	37.376	-15.023	-5	a	...	...	51.812	-42.729	-5	...	...	...	...	...	...	...	...

1-20						21-40						41-60						
I	...	...	...	...	...	21	...	...	...	...	...	41	...	...	...	...	...
†	-60.045	+19.178	-1	...	...	...	-51.307	-28.126	-5	...	...	...	-43.657	+21.540	-3	...	...
†	59.999	+41.689	-1	...	...	...	50.946	-57.264	-3	...	...	...	F	43.300	-0.039	-1	43.5804	9.8
†	599.492	-20.052	1.40	44.5986	9.2	...	50.694	+8.135	-2	...	...	...	...	42.151	+14.916	0.80	43.5805	9.8
...	58.307	+3.199	-4	...	...	*	50.506	-34.019	1.30	44.5991	9.4	...	...	42.092	+3.610	-4	...	...
*	58.437	-26.298	1.40	44.5988	9.2	S†	50.133	-32.002	1.70	44.5992	8.9	...	...	41.482	-58.986	0.90	44.5997	9.8
*	-57.256	-22.394	1.20	44.5989	9.4	*	-49.371	-38.601	1.00	44.5993	9.8	*	...	-41.315	+35.089	1.20	43.5806	9.3
†	57.957	-59.920	1.50	44.5987	9.0	...	49.056	-6.373	-1	E	...	...	...	41.264	+56.983	-3	42.5826	10.2
...	56.439	-36.273	-1	...	...	...	48.800	+48.093	-5	...	...	...	...	41.061	+52.820	0.80	42.5827	9.8
...	56.775	+1.078	-4	...	...	...	48.496	-38.329	0.90	44.5994	9.8	...	...	41.036	+35.046	-3	...	...
...	5.731	-8.249	-4	A	...	...	48.467	-17.673	-3	...	...	...	...	40.812	-9.975	-5	...	...
II	...	...	...	...	...	31	...	...	...	...	...	51	...	...	...	...	...
...	-55.518	+4.802	-2	...	...	...	-47.826	+43.115	-5	...	...	...	...	-39.489	+15.214	0.80	...	...
†	55.096	+32.880	-3	...	...	...	47.051	+40.373	-5	A	...	*	...	39.170	-0.930	1.00	43.5807	9.5
...	54.809	-42.782	-5	...	...	*	46.843	-49.126	3.00	44.5995	8.0	...	...	39.099	-8.709	-3	A	...
...	54.767	+31.502	-5	A	...	...	46.715	+0.304	-1	...	...	...	...	38.662	-5.020	-4	...	...
...	53.738	+30.184	-1	...	...	...	46.386	-49.706	-1	44.5996	9.8	*	...	37.824	+10.808	1.70	43.5808	9.2
*	-53.639	-22.108	1.20	44.5990	9.4	...	-45.481	+1.786	-4	...	...	...	...	-37.473	-31.459	-3	...	...
...	52.801	-31.613	-4	...	...	n†	45.059	+17.547	0.80	43.5803	9.3	...	...	37.391	-45.996	-3	...	...
*	51.987	+35.557	1.30	43.5801	9.4	†	45.049	+31.629	-4	...	...	S*	...	37.364	+45.582	2.20	43.5809	8.6
...	51.941	+25.895	0.75	...	...	n†	45.045	+17.424	0.90	43.5803	9.3	...	...	37.291	-19.923	-1	...	...
*	51.641	+10.742	3.00	43.5802	8.0	...	44.262	+10.062	-4	...	...	...	...	37.146	+44.195	-1	...	...

MC measured from 1, 104, 207.
ES " " 51, 154, 247.

Images distorted on following half of plate.
37, 39. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
61-120						121-180						181-240						
61	-37.052	-43.711	...	...	...	121	-12.551	+40.589	...	...	...	181	+11.517	+34.345	...	...	...
*	36.914	-53.460	2.00	44.5998	8.8	...	11.560	-31.618	0.90	44.6006	9.8	...	11.884	+29.890	-4	...	...
...	36.712	+52.773	-5	...	...	...	10.944	-6.678	1.20	43.5826	9.6	...	12.061	-13.653	0.65	...	...
...	36.457	+38.707	0.90	43.5810	9.8	*	10.595	-50.688	1.60	44.6007	9.0	...	12.318	-53.279	0.70	...	...
...	36.144	+19.900	-5	...	...	†	10.183	+38.224	-4	...	...	...	12.373	+12.366	-5	...	...
...	-35.923	-50.616	0.70	...	...	†	-10.176	-36.299	-2	...	...	...	+13.614	+35.546	-5	...	...
...	35.857	-39.935	-3	...	...	...	9.973	+44.667	-4	A	...	S*	15.729	+9.492	1.20	43.5841	9.3
...	35.159	-42.039	-4	...	...	...	9.961	-56.310	-4	...	...	...	15.778	+31.136	-5	...	...
†	35.093	-52.188	1.80	44.5999	9.0	...	9.600	+10.689	-4	...	...	...	15.860	+16.782	-1	...	...
...	34.931	+47.603	-5	...	...	...	9.203	+13.220	-5	...	...	...	15.873	+56.344	-3	42.5880	10.2
71	...	...	...	...	...	131	...	...	...	...	...	191	...	...	...	...	...
*	-34.089	-25.947	1.60	44.6000	9.2	...	-8.997	-50.512	0.95	44.6008	9.8	...	+16.404	-54.211	-4	...	...
...	33.902	-38.987	-1	...	...	...	8.352	+50.445	-4	43.5827	10.4	...	16.686	-49.879	-3	...	...
...	33.897	-17.028	-3	...	...	...	8.253	+1.174	-4	A	...	...	16.779	+32.650	0.80	...	...
...	33.110	+45.464	0.90	43.5811	9.8	...	8.200	+37.701	-4	...	...	...	17.013	-2.578	-4	...	...
...	32.788	-58.881	-5	...	...	*	8.036	-44.549	1.20	44.6009	9.3	...	17.425	-12.445	-3	...	...
...	-31.847	-1.636	-3	...	...	*	-7.918	+52.642	1.30	42.5857	9.6	...	+17.559	+14.558	-5	...	...
...	31.782	+40.899	-3	...	...	*	7.628	-6.971	5.40	43.5828	7.0	...	17.869	-3.018	-5	...	...
...	31.156	+33.055	0.90	43.5812	9.8	...	5.884	+26.021	-2	...	...	...	18.367	+27.165	-5	...	...
...	30.989	-43.598	-5	...	...	...	5.795	-49.200	-4	...	...	...	18.421	+22.259	0.80	...	...
...	30.566	-17.130	-5	...	...	*	5.363	+16.367	1.30	43.5829	9.4	...	18.438	+24.548	-5	...	...
81	...	...	...	...	...	141	...	...	...	...	...	201	...	...	...	...	...
...	-29.480	+3.042	0.65	43.5813	9.8	*	-3.504	+18.151	2.00	43.5830	8.6	...	+18.461	-33.329	0.65	...	...
...	28.910	+23.345	-5	...	...	...	2.952	+16.230	0.80	43.5831	9.8	...	18.703	-14.562	-3	...	...
S*	28.640	-54.499	3.30	44.6001	7.8	...	2.702	+7.224	0.85	43.5832	9.8	...	18.853	+17.066	-1	...	...
...	28.489	-56.913	-4	...	...	...	2.690	-34.498	0.90	44.6011	9.6	...	18.990	+1.554	-5	a	...
...	27.998	-55.987	0.75	...	...	...	2.222	+2.703	0.90	43.5833	9.8	...	19.646	-52.771	0.90	44.6019	9.6
...	-27.923	+47.735	-3	...	...	...	-2.149	+18.916	-5	M	...	†	+19.713	+13.818	-5	...	...
...	27.629	-26.641	0.90	44.6002	9.8	...	2.132	+50.694	-4	...	...	...	22.999	+44.110	-5	...	...
*	26.737	+21.653	1.10	43.5814	9.6	...	1.328	+15.756	-5	A m	...	...	23.209	+5.854	-5	...	...
...	26.549	-18.399	-5	...	...	...	1.227	+56.377	-4	...	...	*	23.588	+46.968	1.20	43.5842	9.4
*	26.532	+51.181	1.80	43.5815	9.2	*	1.128	-55.867	1.80	44.6012	8.8	...	24.507	+14.345	-3	...	...
91	...	...	...	...	...	151	...	...	...	...	...	211	...	...	...	...	...
...	-25.711	+5.353	-4	...	...	*	-0.772	-0.954	1.50	43.5835	9.0	...	+24.508	+41.724	-2	...	...
†	25.200	-40.186	0.85	...	...	S*	0.670	+43.046	2.00	43.5834	8.5	...	25.189	+56.650	-1	42.5891	9.8
*	24.095	+43.696	2.40	43.5816	8.4	...	0.448	+41.308	-3	...	...	...	25.198	+21.079	-4	...	...
S*	23.596	+6.747	1.60	43.5817	9.0	...	-0.067	-52.774	-4	...	...	...	26.002	-54.656	-1	...	...
†	22.727	-59.943	-3	...	...	...	+0.330	-46.174	-4	...	...	...	27.954	+31.567	-5	...	...
...	-22.213	+26.886	-3	...	...	...	+0.570	+15.384	-5	M	...	...	+28.018	-15.386	-4	...	...
...	21.489	+22.269	1.15	43.5818	9.4	...	1.601	-56.307	0.80	...	...	*	28.556	+36.529	1.20	43.5843	9.6
...	21.416	+12.061	-3	...	...	...	1.837	-59.215	0.80	44.6013	9.8	...	29.514	-42.122	-5	...	...
...	21.189	-57.767	-5	...	...	...	2.476	+29.173	-1	...	...	...	29.946	+59.687	-2	42.5895	10.0
...	21.054	-50.327	-5	...	...	...	2.521	+23.776	-3	...	...	*	30.029	-55.393	1.40	44.6021	9.2
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...
*	-20.935	-27.528	1.35	44.6003	9.2	S*	+3.697	-30.536	2.10	44.6014	8.7	...	+30.885	-58.192	-4	...	...
*	20.820	+5.458	1.70	43.5819	9.2	...	3.770	-36.928	-5	M	...	...	31.641	-57.876	-5	...	...
...	20.578	-42.122	-5	...	...	...	3.868	-7.943	-4	M a	...	...	31.894	+48.438	-5	...	...
...	20.047	+0.870	-3	...	...	...	4.214	-28.910	-4	m	...	...	32.396	+12.784	-4	...	...
...	19.733	-36.955	-5	...	...	*	4.262	+32.491	1.80	43.5836	8.9	...	32.917	-10.711	-4	...	...
...	-18.985	-14.564	0.90	44.6004	9.8	...	+4.665	-16.375	-3	M	...	...	+33.002	+36.057	-3	...	...
*	18.974	+21.997	2.80	43.5820	8.2	...	5.488	+26.727	0.85	...	...	...	33.033	-33.380	-4	...	...
...	18.888	-37.277	-5	A	...	...	5.743	-23.881	0.90	44.6015	9.8	...	33.092	+37.807	-3	...	...
...	18.613	+41.688	-2	...	...	...	5.833	+20.808	1.05	43.5837	9.6	...	33.135	-43.457	-5	...	...
*	18.311	+3.804	1.40	43.5821	9.5	...	6.229	-41.589	1.00	44.6016	9.6	...	33.511	-4.173	-5	m	...	
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...
...	-17.963	+40.642	-4	A	...	...	+6.510	+34.047	-5	...	...	...	+33.593	-21.509	-4	a	...
*	17.816	+27.195	1.40	43.5822	9.2	...	7.152	-7.416	0.90	43.5838	9.8	...	33.842	+58.721	-3	42.5897	10.3	
...	17.774	+7.885	-3	7.243	+37.219	-5	†	34.643	+31.743	1.20	43.5844	9.5
†	17.182	-45.033	-3	A	7.748	-13.245	0.65	†	34.723	-34.691	1.40	44.6023	9.3
...	15.031	+50.758	0.90	43.5823	9.8	...	8.051	-51.049	1.00	44.6017	9.8	...	S*	34.922	-41.942	2.00	44.6025	8.5
...	-14.898	+55.283	-1	42.5850	10.0	...	+8.464	+51.541	0.70	43.5839	9.8	+34.941	-26.017	-4
...	14.661	+18.984	-1	43.5824	9.8	...	8.944	-45.387	0.95	44.6018	9.8	34.943	-23.759	0.90	44.6024	9.8
...	14.426	-42.149	-4	9.880	-30.485	-4	34.952	+16.482	-5
...	14.058	-48.268	1.00	44.6005	9.8	...	10.468	+43.631	-1	*	35.189	+5.820	1.00	43.5845	9.8
*	13.025	-7.755	1.40	43.5825	9.4	...	10.745	+15.822	0.85	43.5840	9.8	N	35.311	-26.470	-1	...	...

240. Mass. 43.76, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
241-260						261-280						281-291								
241	...	+35°943	+0°921	-5	a	...	261	...	+44°781	-22°950	1·80	44.6030	8·6	281	...	+52°930	-41°359	-3	...	...
...	...	37°744	+16°955	-3	...	...	...	...	45°305	+1°677	-3	...	...	...	...	53°949	+10°124	1·00	43.5850	9·8
...	...	37°866	+17°799	-4	...	...	...	...	45°397	-42°418	-4	...	...	...	...	54°398	+32°812	-3	...	...
...	...	38°285	-12°890	-4	...	...	...	...	46°146	-8°527	-5	...	...	...	...	55°215	+59°168	1·40	42.5917	9·2
†	...	38°455	-0°158	-1	α	...	...	...	46°161	+18°900	-4	...	...	...	...	55°321	-25°869	-5	...	...
*	...	+38°465	-46°303	1·00	44.6026	9·8	...	...	+47°405	-52°876	-4	...	...	...	...	+55°884	-19°315	-5	...	...
†	...	39°724	+9°986	-4	...	...	...	...	47°444	-25°522	-4	...	...	...	...	56°012	+52°347	-4	42.5919	10·1
*	...	40°178	-13°143	1·40	44.6028	9·2	...	...	47°863	+7°446	0·75	...	...	...	*	56°966	+32°169	2·00	43.5851	8·9
...	...	40°442	-39°077	-5	...	...	...	...	48°102	-19°599	0·85	44.6031	9·8	...	*	57°768	-27°740	1·30	44.6034	9·4
...	...	40°457	-13°204	-1	...	...	...	...	48°943	-22°852	0·65	...	...	...	...	58°350	-30°462	0·75	...	...
251	...	+41°118	+56°011	1·50	42.5903	9·5	271	...	+48°944	-2°567	1·00	43.5847	9·4	291	...	+59°474	-5°250	-1	...	...
*	...	41°528	-54°765	2·00	44.6029	8·8	...	...	49°144	+55°734	-4	42.5912	10·1	...	...	...	...	...	...	...
...	...	41°687	-7°113	-2	...	...	...	...	50°432	+53°667	-2	42.5913	10·0	...	...	...	...	...	...	...
†	...	41°875	+19°787	-1	...	...	...	...	50°487	-49°382	-5	...	...	...	...	...	...	...	...	...
...	...	42°030	+21°379	-5	...	...	...	*	50°662	+13°913	1·50	43.5848	9·4	...	...	...	...	...	...	...
†	...	+42°089	+19°808	-5	...	...	...	...	+51°786	-13°852	-4	...	...	...	...	...	...	...	...	...
...	...	42°273	-19°467	-4	...	...	...	...	51°912	-33°567	0·95	44.6032	9·8	...	...	...	...	...	...	...
...	...	42°821	-27°880	-5	...	...	...	...	52°116	+10°506	1·10	43.5849	9·8	...	...	...	...	...	...	...
...	...	42°970	+28°069	0·90	43.5846	9·8	...	...	52°132	-51°083	-5	...	...	...	...	...	...	...	...	...
...	...	43°198	-25°288	-3	...	...	...	...	52°592	+13°917	-1	...	...	...	...	...	...	...	...	...

1-30						31-60						61-90					
I	x.	y.	Diam.	No.	Mag.	31	x.	y.	Diam.	No.	Mag.	61	x.	y.	Diam.	No.	Mag.
...	-59°850	+47°366	-5	A	...	...	-52°109	-30°198	-4	...	...	61	-44°099	+8°915	-5	M	...
...	59°711	-25°706	-3	...	...	*	51°945	+32°234	1·40	43.5851	8·9	...	44°038	+10°824	-5	M	...
...	59°220	-19°771	0·80	44.6031	9·8	...	51°837	-25°827	-4	...	...	...	43°837	+56°546	0·80	42.5930	9·8
...	59°135	+53°517	-4	42.5913	10·0	...	51°836	-53°675	-5	...	...	...	43°829	+41°391	-5	...	...
...	58°903	-53°051	-5	...	...	...	51°724	-17°459	-5	M	...	*	43°456	+53°981	2·00	42.5931	8·7
...	-58°899	-2°713	0·90	43.5847	9·4	...	-51°587	+22°443	-5	...	...	...	-43°244	-3°903	-4	B	...
...	58°444	-13°898	-5	...	...	...	51°564	-16°366	-5	...	...	...	42°936	+31°332	-5	...	...
...	58°290	-22°986	-2	...	...	...	51°453	-19°247	-4	...	...	...	42°924	+24°530	-4	...	...
*	57°697	+13°798	1·20	43.5848	9·4	...	49°410	-9°128	-4	...	...	...	42°708	-11°071	-5	M	...
...	57°633	-47°093	-5	...	...	*	49°317	-27°625	1·20	44.6034	9·4	...	42°384	-47°310	-4	...	...
II	...	...	...	...	...	4I	...	...	...	...	...	7I	...	...	...	...	...
...	-57°394	+9°943	-5	M	...	...	-48°656	-30°320	0·90	...	...	*	-42°285	-58°090	1·20	44.6037	9·3
*	56°132	+10°437	1·10	43.5849	9·8	...	48°307	-5°083	0·65	...	...	...	42°145	+5°511	-5	M	...
...	55°908	-49°465	-5	...	...	...	47°836	-54°636	-4	...	...	...	41°417	+50°259	-5	...	...
...	55°773	+13°856	-2	...	...	...	47°362	+6°984	-5	M	...	...	41°361	+46°082	-4	...	...
...	55°726	-13°907	-4	...	...	...	47°193	-26°926	-5	...	...	...	41°241	+46°109	-4	...	...
...	-55°088	+27°755	-5	M	...	S*	-46°798	+26°567	2·80	43.5852	7·9	...	-40°217	-16°666	0·80	44.6038	9·8
†	55°000	-33°611	0·80	44.6032	9·8	*	46°411	-7°000	1·00	...	...	...	39°417	+54°445	-3	42.5936	10·0
*	54°528	+59°162	1·20	42.5917	9·2	*	46°158	-9°769	1·30	44.6035	9·0	...	39°229	-50°870	1·35	44.6039	9·2
...	54°300	+10°113	0·90	43.5850	9·8	...	46°058	+23°869	-5	M	...	...	39°085	+25°989	-5	M	...
...	54°237	-51°121	-4	...	...	...	45°990	-10°203	-2	...	...	...	39°070	-22°028	-5	M	...
21	...	...	...	...	...	5I	...	...	...	...	...	8I	...	...	...	...	...
...	-54°050	+10°444	-4	...	...	...	-45°928	-57°657	-5	...	...	...	-38°584	+27°248	-4	...	...
...	53°743	-41°363	-3	...	...	...	45°605	+50°885	0·75	43.5854	9·8	...	38°429	+5°757	-1	...	...
...	53°717	-28°995	-5	M	...	...	45°532	+18°291	-5	M	...	*	38°186	+38°865	1·30	43.5857	9·0
...	53°531	+52°369	-3	42.5919	10·1	...	45°315	+14°490	1·35	43.5853	9·3	...	38°044	+32°995	-5	...	...
...	53°507	-24°423	-5	...	...	N†	44°935	-49°747	0·80	44.6036	9·8	*	37°988	+38°446	1·10	43.5858	9·8
...	-53°433	+27°632	-5	M	...	†	-44°906	-19°445	-4	...	...	...	-37°858	+25°036	-5	M	...
...	53°372	+10°914	-4	...	...	...	44°814	+31°223	0·80	43.5855	9·8	*	37°784	+36°498	1·00	43.5859	9·8
...	52°515	-11°011	-5	M	...	...	44°702	+31°285	-5	...	...	...	37°724	-23°848	0·75	...	...
...	52°379	-57°588	-5	...	...	...	44°471	+55°645	-5	42.5928	10·3	...	37°481	+19°155	-4	A	...
...	52°178	-21°947	-5	M	...	*	44°202	+11°078	1·30	43.5856	9·2	...	37°480	+47°288	-4	...	...

CH measured from 1, 208.
S " " 111, 348.

55. Difficult to measure; at intersection of réseau lines.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-37.221	+17.110	-4	...	...	151	-15.447	-28.489	-4	...	...	211	+2.088	-11.581	-1	...	...
...	37.087	-2.921	-5	M	...	...	15.026	+4.294	1.00	43.5870	9.5	...	2.100	-7.388	-5	M m	...
...	37.007	+48.494	-5	...	...	...	14.735	+18.532	-4	...	...	...	2.309	+22.621	-5	M m	...
...	36.336	-23.559	-1	...	...	...	14.387	-43.893	-5	...	...	...	2.351	+11.174	1.10	43.5878	9.8
...	36.312	-11.652	0.75	...	...	...	14.369	+44.847	0.80	...	...	...	2.352	+45.316	-5	M m	...
*	-36.005	+36.036	1.15	43.5860	9.3	...	-14.067	+16.920	-5	M	...	...	+2.410	+53.437	-4	M	...
...	35.847	+55.833	-4	42.5941	10.3	...	14.029	-18.699	-5	M	...	...	2.464	+22.567	-5	M m	...
*	35.659	-23.519	1.15	44.6040	9.4	...	13.928	+20.090	0.70	...	...	...	2.904	-8.490	-4	M	...
†	35.430	+29.965	-5	M	...	...	13.431	-12.660	-3	...	...	...	2.992	+15.211	0.65	...	...
*	35.217	+35.333	1.35	43.5861	9.0	...	13.255	+30.327	-3	...	...	...	3.027	+22.489	-5	M m	...
101	-32.114	+0.497	-5	M	...	161	-13.016	+10.862	-4	...	...	221	+3.056	-8.940	-4	M b	...
*	31.797	+52.850	1.10	42.5945	9.8	...	12.772	-3.797	0.70	...	...	...	3.105	+38.007	-2	...	...
...	31.297	-57.630	-1	...	...	...	12.735	-41.165	1.10	44.6047	9.5	...	3.419	+35.991	-4	A m	...
...	31.159	-46.130	0.80	44.6041	9.8	*	12.729	-52.520	1.35	44.6048	9.0	...	3.716	-34.101	-4	...	...
...	31.099	-40.038	-4	...	...	...	12.665	-48.862	-5	...	...	...	3.863	+44.687	1.25	43.5879	9.5
...	-31.079	-1.867	0.85	43.5862	9.8	...	-12.410	-9.740	0.70	44.6049	9.8	...	+4.158	+50.701	-4	A m	...
...	31.049	+29.673	-1	...	...	...	12.174	-43.279	-5	...	...	...	4.171	+58.747	-3	42.5974	10.2
*	30.465	-46.737	1.30	44.6042	9.3	...	11.646	-55.269	-3	...	...	...	5.151	-5.635	0.90	43.5880	9.8
...	30.247	-20.003	-2	...	...	...	11.637	-12.686	-4	...	...	...	5.332	+2.320	-5	M m	...
...	30.194	-26.951	-4	...	...	...	11.143	-37.571	0.90	44.6050	9.8	*	5.477	-35.681	1.05	44.6057	9.8
111	-29.846	+51.577	-4	43.5863	10.4	171	-11.078	+53.224	-4	42.5963	10.4	S*	+5.504	-57.267	2.35	44.6056	8.2
...	29.309	+26.652	0.80	...	...	...	10.274	-36.724	0.90	44.6052	9.8	...	5.553	+3.640	0.75	...	...
...	28.638	+55.068	-3	42.5948	10.3	...	10.219	-15.471	-5	M	...	...	5.650	+4.854	0.70	...	...
...	28.441	+54.207	0.90	42.5949	9.8	†	10.159	+56.991	-4	42.5966	10.4	...	5.709	+27.071	-5	m	...
...	27.868	-46.248	-5	...	...	...	9.975	+25.951	-5	M	...	...	5.950	-22.622	-5	M m	...
...	-27.286	-54.275	0.65	...	...	*	-9.849	+43.332	1.40	43.5871	8.9	...	+5.999	-45.298	-4	M	...
...	27.253	-16.506	-4	...	...	†	9.632	+35.041	-5	...	...	...	6.240	+17.725	1.00	...	...
...	26.884	+9.702	-5	M	...	...	9.502	-3.660	0.70	...	...	...	6.299	-19.124	-2	...	...
*	26.541	-1.624	1.00	43.5864	9.8	...	9.407	+7.933	-4	A	...	...	6.353	-55.831	-5	M	...
...	26.401	+10.423	-5	M	...	...	9.162	-2.808	-5	M	...	...	6.513	+45.290	-3	a	...
121	-25.743	+10.650	-5	M	...	181	-9.039	-41.800	-3	...	...	241	+6.757	-7.290	-5	m	...
†	25.005	-12.362	-1	...	...	...	8.929	-38.485	-5	...	...	...	6.872	+22.033	-4	a	...
...	24.187	-13.124	-3	...	...	†	8.429	+39.889	-5	M	...	...	7.703	-22.518	-3	...	...
...	23.348	+34.258	-4	...	...	...	8.267	-25.824	-1	...	...	S*	7.720	+32.893	1.40	43.5881	8.9
...	23.263	+3.850	-5	M	...	...	8.217	-16.449	0.75	...	...	...	8.208	-33.088	0.65	...	...
...	-22.877	-57.181	-5	...	...	*	-7.732	+22.206	1.00	43.5872	9.8	...	+8.213	-55.111	-4	...	...
...	22.674	+43.125	-4	...	...	...	7.098	-23.818	-5	...	...	...	8.428	-22.868	-4	...	...
...	22.621	+22.311	-3	...	...	...	7.052	-7.755	-3	...	...	...	8.542	+20.358	-5	m	...
...	22.278	-25.474	-3	...	...	*	6.643	-14.262	1.30	44.6053	9.2	...	8.635	+2.235	0.80	43.5882	9.8
...	22.202	+2.296	-5	M	...	...	6.640	+54.217	-1	42.5970	10.1	...	8.862	-56.911	-4	...	...
131	-22.002	-57.493	-5	...	...	191	-6.006	-57.227	-4	...	...	251	+8.884	-11.008	-4	a	...
...	20.744	-42.658	-2	...	...	*	5.966	-2.680	1.10	43.5873	9.6	...	9.073	+55.475	-4	...	...
S*	20.684	-29.091	1.38	44.6044	9.0	...	5.434	-32.897	0.80	...	...	*	9.537	+8.566	1.05	43.5883	9.8
S†	20.249	+35.030	1.10	43.5865	9.2	...	5.008	-3.914	0.80	43.5874	9.8	...	9.729	+0.881	0.90	43.5885	9.8
...	19.577	-38.387	-4	...	...	...	4.529	-36.684	0.70	...	...	†	9.882	+51.179	-2	43.5884	10.2
...	-19.049	+8.345	-5	M	...	...	-4.286	-53.183	-5	...	...	...	+10.140	+0.758	-5	m	...
S*	18.906	-7.677	1.35	43.5866	9.2	...	4.274	+3.516	-4	A m	...	...	10.157	+12.953	-4	...	...
*	18.834	+21.051	1.10	43.5867	9.6	...	4.244	-18.669	-5	M m	...	...	10.205	-1.561	-5	m	...
...	18.704	+51.074	0.85	43.5868	9.8	...	4.210	+48.241	0.90	43.5875	9.8	*	10.221	-53.751	1.15	44.6058	9.8
*	18.678	+16.462	1.00	...	...	...	3.985	+4.746	-4	A m	...	...	10.455	+45.053	0.70	...	...
141	-18.083	-30.341	-5	M	...	201	-3.216	+48.072	1.10	43.5876	9.8	...	+10.804	+58.185	-3	42.5980	10.4
...	17.864	-49.548	-5	...	...	...	2.572	-12.219	-5	M m	...	...	10.842	+25.356	-4	a	...
...	17.804	-35.990	0.75	...	...	†	1.748	+24.951	-2	...	...	...	11.125	-48.475	-5	...	...
...	17.535	-3.909	-3	...	...	...	1.727	-44.400	0.80	...	...	S*	11.198	+14.787	1.20	43.5886	9.3
...	16.724	+24.131	-2	...	...	...	1.342	-32.578	-5	M m	...	...	11.296	+18.445	-4	a	...
...	-16.653	-48.862	0.80	...	...	*	-0.924	-11.248	1.50	44.6055	8.8	...	+11.673	+52.442	-4	...	...
...	16.145	-45.461	-4	...	...	...	-0.737	-49.060	-5	M m	...	...	11.688	-11.742	-4	b	...
*	16.112	-26.329	1.60	44.6046	8.8	...	+0.476	-1.364	0.65	...	...	*	11.748	+0.747	1.15	43.5887	9.6
...	16.062	-27.415	-5	M	...	*	0.663	+2.515	1.35	43.5877	9.0	...	11.851	-52.912	-4	...	...
*	15.503	+4.873	1.40	43.5869	9.2	...	1.308	-32.543	-4	M	...	...	11.951	-15.254	0.85	...	...

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
271-330						331-390						391-450					
271	+12·068	+57·666	- 5	m	...	331	+25·730	-37·703	1·30	44·6066	9·6	391	+38·320	+35·576	2·30	43·5907	8·4
...	12·242	-47·925	- 4	...	...	...	26·832	- 8·867	- 5	m	...	...	38·347	+18·594	- 5	m	...
*	12·318	-26·114	1·00	44·6059	9·8	...	26·886	-40·514	- 4	...	...	...	38·550	-32·501	0·75	44·6077	10·2
...	12·319	- 8·471	- 5	m	...	...	27·105	- 9·152	- 5	m	...	...	38·553	-18·448	- 5	m	...
...	12·439	-41·129	- 3	...	...	...	27·181	-53·894	- 5	...	...	...	38·558	+ 5·666	- 3	a	...
...	+12·529	+47·035	- 3	...	...	...	+27·243	+44·785	- 4	...	...	...	+38·623	-19·035	0·70	...	...
...	12·726	-43·714	- 3	...	...	...	27·532	+ 5·162	- 4	...	...	...	38·652	+24·742	- 5	m	...
...	12·933	+51·570	- 3	...	...	...	27·622	-18·187	- 5	...	...	...	38·663	+ 1·666	0·80	43·5908	10·2
...	13·057	+34·003	0·65	...	...	*	27·841	- 6·599	1·25	43·5896	9·2	...	38·672	+29·785	- 3	...	...
...	13·221	-31·927	- 5	m	...	...	28·067	-25·249	- 5	...	...	...	38·965	+42·091	- 4	...	...
281	+13·510	-11·781	1·10	44·6060	9·8	341	+28·141	- 1·354	- 4	a	...	401	+39·092	-47·470	- 5	...	...
*	13·567	-36·448	- 4	...	...	...	28·442	-15·062	- 5	m	...	...	39·206	- 4·901	- 1	...	...
...	13·673	+42·217	0·90	...	...	...	29·039	-48·683	- 4	...	...	...	39·364	-14·033	- 5	m	...
...	14·171	+34·746	- 5	m	...	*	29·272	+ 9·564	1·00	43·5897	10·2	...	39·820	-29·307	0·80	44·6079	10·2
...	14·174	+32·597	- 4	...	...	...	29·297	-35·417	- 4	...	...	...	39·850	+21·175	0·70	...	...
*	+14·531	-10·898	1·00	...	...	S*	+29·320	-10·479	3·25	44·6067	7·2	...	+39·993	- 3·201	- 4	a	...
...	14·573	+43·583	- 4	a	...	†	29·719	+ 4·707	- 4	...	...	...	40·363	+23·708	0·80	43·5909	10·2
...	15·052	-48·441	0·65	...	...	...	30·516	+13·556	1·40	43·5898	9·3	...	40·605	+17·699	- 4	...	...
*	15·248	-42·037	1·05	44·6061	9·8	...	30·741	+46·955	- 1	...	...	*	40·642	-16·992	1·00	44·6080	9·8
...	15·947	-45·605	0·70	...	...	*	31·211	-31·626	1·10	44·6068	9·5	*	41·054	- 9·342	1·00	44·6081	10·0
291	+15·957	+33·991	- 1	...	...	351	+31·413	-22·831	- 4	...	...	411	+43·020	-33·111	1·20	44·6082	9·5
...	16·006	+30·399	- 5	m	...	...	31·667	+45·913	- 1	...	...	...	43·210	-20·562	- 5	m	...
...	16·021	- 3·190	- 5	m	...	...	31·740	-41·565	0·80	...	...	...	43·736	- 4·054	0·80	43·5910	10·2
...	16·213	+27·218	- 3	...	...	S*	31·937	-52·559	2·00	44·6069	8·2	...	43·979	-36·160	- 5	...	...
...	16·394	-26·192	- 4	...	...	*	32·011	+51·724	1·00	43·5899	10·2	...	44·132	- 8·299	- 5	m	...
*	+16·418	+49·302	1·15	43·5888	9·8	...	+32·265	+41·448	0·70	...	...	...	+44·162	-40·074	- 5	...	...
...	16·664	-34·889	- 5	...	...	...	32·271	-43·787	0·70	...	...	...	44·492	+21·336	- 5	m	...
...	17·095	+41·652	- 5	...	...	...	32·328	-18·463	0·70	44·6070	10·2	...	45·131	+ 0·201	- 4	a	...
...	17·259	- 3·183	- 5	m	...	...	32·364	- 3·883	- 3	...	...	...	45·245	-31·884	- 5	...	...
...	17·270	-17·148	- 5	m	...	...	32·558	+47·530	0·70	...	...	*	45·860	+12·206	1·00	43·5911	9·9
301	+17·615	+33·300	- 5	...	...	361	+32·661	+51·972	0·90	42·5992	10·4	421	+46·418	+29·645	- 5	...	...
...	18·245	+45·765	- 5	...	...	*	32·742	+41·219	1·00	43·5900	10·2	...	46·611	+30·854	- 4	...	...
*	18·350	-12·683	1·25	44·6062	9·2	...	33·159	+44·583	- 4	...	...	...	47·043	+57·000	- 5	...	...
...	18·386	-52·800	- 5	...	...	...	33·234	+20·006	- 5	m	...	...	47·141	+ 1·295	- 5	m	...
...	19·050	+57·063	- 4	...	...	...	33·632	-35·586	- 5	...	...	*	47·373	-31·029	1·10	44·6083	9·6
...	+19·293	+35·238	- 4	a	...	*	+33·771	+38·124	1·00	43·5901	10·2	*	+47·762	-57·145	1·10	44·6085	9·3
...	19·379	-23·101	- 2	...	...	...	33·975	+ 8·171	- 5	m	...	*	47·938	-31·055	1·30	44·6084	9·5
...	19·448	+49·299	- 4	...	...	...	34·000	+14·008	- 4	...	...	...	47·979	- 7·855	- 2	...	...
...	19·450	- 7·027	0·70	...	...	*	34·288	-34·333	1·30	44·6072	9·4	...	48·394	- 2·475	- 4	...	...
...	19·530	- 6·976	0·90	43·5889	9·8	...	34·580	+27·314	0·70	...	...	...	49·591	-20·457	0·80	44·6086	10·0
311	+20·255	+ 7·307	1·20	43·5890	9·8	371	+34·650	+27·317	1·20	43·5902	9·5	431	+50·004	-12·457	1·10	44·6087	9·6
...	20·552	+46·019	0·80	43·5891	9·8	†	35·011	+14·778	1·00	43·5903	9·9	...	50·270	-33·460	- 5	...	...
...	20·779	-24·448	- 1	...	...	*	35·480	+49·655	2·40	43·5904	8·5	...	50·602	-53·821	- 3	44·6088	10·2
...	20·802	+46·113	- 4	...	...	...	35·726	-50·706	- 4	...	...	...	50·632	+21·898	- 5	e	...
*	20·992	+33·493	1·00	43·5892	9·8	...	35·729	-28·441	- 5	...	...	*	50·694	- 4·485	1·40	43·5913	9·4
...	+21·004	-55·806	0·65	44·6063	9·8	...	+35·772	+18·618	- 5	m	...	*	+50·718	+32·271	1·60	43·5912	9·2
*	21·144	+49·015	1·40	43·5893	8·9	...	35·937	-29·501	0·85	44·6073	9·9	...	50·734	-12·827	- 4	...	...
...	21·804	+25·919	- 4	...	...	...	36·084	+49·156	- 5	a	...	...	50·870	+11·236	- 4	e	...
...	22·051	+21·607	- 5	m	...	*	36·133	+20·246	1·20	43·5905	9·9	...	50·886	+48·954	- 4	...	...
...	22·329	-30·463	- 4	...	...	...	36·176	+54·649	0·80	42·5995	10·5	...	50·980	-38·448	- 4	...	...
321	+22·821	-49·144	- 2	...	...	381	+36·444	-46·828	1·20	44·6074	9·4	441	+51·104	-32·375	0·90	44·6089	9·9
...	22·986	+27·752	- 4	...	...	*	36·524	-57·323	- 1	44·6075	10·2	...	51·314	-28·885	- 4	...	...
...	23·426	+53·445	- 4	...	...	...	36·583	+26·769	- 5	...	...	*	51·837	-14·948	1·10	44·6090	9·6
†	23·715	-39·733	- 1	...	...	...	36·639	- 3·694	- 5	m	...	...	52·050	+18·652	0·80	...	...
*	24·951	+29·337	1·00	43·5894	9·8	...	37·126	+ 0·608	0·70	...	...	...	52·126	+47·514	- 5	...	...
*	+25·006	-32·350	1·10	44·6065	10·0	*	+37·602	+49·494	1·00	43·5906	9·9	...	+52·369	+40·762	- 4	...	...
...	25·300	+29·261	- 4	...	...	...	37·825	+46·545	- 2	...	...	*	52·629	-31·977	1·30	44·6091	9·4
...	25·340	- 0·392	- 5	m	...	...	38·018	-17·086	- 4	...	...	...	52·952	+15·963	- 5	m	...
*	25·346	- 1·624	1·25	43·5895	9·3	...	38·134	+18·254	- 5	m	...	...	53·155	+26·818	- 4	...	...
...	25·468	-24·914	0·70	...	...	*	38·157	-34·657	1·10	44·6076	9·4	...	53·284	-18·109	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-460						461-470						471					
451*	+53'424	+35'468	1.50	43.5914	9.4	461	+56'152	+51'501	-5	...	...	471	+59'642	+31'229	2.00	43.5916	8.8
...	53'630	+16'654	-5	e	...	...	56'397	+26'318	-5	...	...	S †					
...	† 53'722	-14'788	0.80	44.6092	10.2	...	56'865	+45'997	-4	...	...				
...	53'798	-15'872	0.75	44.6093	10.2	...	57'504	-4'743	-5	e	...						
...	54'234	-36'481	0.80	44.6094	9.9	...	58'306	+54'577	-4	42.6006	10.5						
...	+54'424	-19'623	5	...	...	...	* 58'646	-20'852	1.80	44.6097	9.0						
...	† 54'737	+38'835	-5	...	...	...	* 59'185	+20'651	1.40	43.5915	9.4						
...	54'828	-10'428	0.70	...	...	...	59'195	-18'263	-2	...	...				
...	54'974	+5'516	-3	...	...	...	59'518	-33'010	-4	44.6098	10.2						
...	55'031	-49'936	-2	44.6096	10.2	...	59'564	-11'557	-4	...	...				

1-40						41-80						81-120						
1	-59'723	-8'035	-3	...	...	41	-52'471	+46'073	-4	...	...	81	-43'562	-15'667	1.20	44.6101	9.6	
...	59'607	-31'223	0.90	44.6083	9.6	...	52'323	+26'387	-5	...	...	...	43'336	+41'502	-4	A	...	
...	59'562	+23'730	-4	...	...	...	51'903	+6'378	-5	M	...	...	43'281	-16'264	-4	...	...
...	59'463	-2'642	-4	...	...	...	51'813	-48'088	-5	...	...	...	43'252	+8'841	-5	M	...	
...	* 59'058	-31'234	1.35	44.6084	9.5	...	† 51'399	-49'889	-3	44.6096	10.2	...	* 43'162	-23'374	1.40	44.6102	9.0	
...	-58'678	-49'962	-5	...	...	...	...	+54'695	-3	42.6006	10.5	...	...	-58'494	-3	...	...
...	58'526	+48'844	-4	...	...	...	...	+12'964	-4	...	...	...	...	42'856	+28'935	-5	...	...
...	* 58'431	-57'324	2.00	44.6085	9.3	...	...	50'274	-4'631	-5	E	...	...	42'445	+8'276	-5	M	...
...	58'278	-17'908	-5	M	...	...	...	49'786	-10'307	-5	M	...	...	41'537	+45'170	-5	...	...
...	* 58'189	+32'158	1.70	43.5912	9.2	...	...	49'785	-47'818	-5	...	...	...	41'484	+25'488	-5	M	...
11	-57'955	+21'781	-5	E	...	51	-49'380	+20'805	1.40	43.5915	9.4	91	-40'897	+34'222	-3	...	...
...	57'732	-20'585	0.85	44.6086	10.0	...	...	49'227	+31'388	2.00	43.5916	8.8	...	40'854	-20'168	0.70	44.6103	10.2
...	* 57'546	-12'571	1.20	44.6087	9.6	S*	...	48'939	+28'748	1.10	43.5917	9.6	...	40'637	-28'408	-3	...	...
...	57'395	+11'139	-4	E	...	...	...	48'650	-20'706	1.50	44.6097	9.0	...	40'417	+15'368	-5	M	...
...	57'249	+47'444	-5	...	...	...	...	48'457	+28'710	-5	...	...	...	40'194	-22'438	-4	...	...
...	* 57'089	-4'579	1.30	43.5913	9.4	...	...	-48'189	-18'101	-1	...	...	...	40'173	-44'045	0.90	44.6104	10.0
...	56'809	-12'924	-4	...	...	...	...	48'028	-11'378	-4	...	...	...	* 39'938	+33'965	1.25	43.5922	9.8
...	56'807	+40'700	-4	...	...	...	...	47'766	-48'177	-5	...	...	...	39'732	+16'456	-4	...	...
...	56'620	-33'568	-5	...	...	...	...	* 47'743	-13'466	1.10	44.6099	9.8	...	39'323	-53'467	-5	...	...
...	56'448	+18'583	0.70	...	...	...	...	47'415	-32'823	-1	44.6098	10.2	...	39'165	+58'815	-5	...	...
21	-55'841	-32'452	0.75	44.6089	9.9	61	-47'285	+43'779	-5	...	...	101	-39'111	-33'277	-5	M	...	
...	55'783	-38'530	-4	...	...	...	...	47'178	+27'655	-5	M	...	...	38'880	-45'770	0.70	44.6105	10.2
...	55'741	-28'946	-4	...	...	...	...	46'996	+34'338	-1	...	...	...	38'426	-36'481	-4	...	...
...	55'700	-53'911	-3	44.6088	10.2	...	...	46'709	+51'674	-5	...	...	...	38'367	+25'176	-5	M	...
...	† 55'648	-15'009	1.20	44.6090	9.6	...	...	* 46'608	+25'471	1.10	43.5918	9.6	...	37'929	-46'424	-5	...	...
...	55'601	+26'780	-4	...	...	...	...	46'397	+13'594	-4	...	...	...	37'929	+40'329	-5	...	...
...	* 55'568	+35'440	1.40	43.5914	9.4	...	...	45'961	-13'898	0.70	...	...	...	* 36'697	+43'532	1.25	43.5923	9.6
...	54'814	+16'637	-5	E	...	...	...	45'610	+0'498	-1	43.5919	10.2	...	36'579	+9'376	-1	...	...
...	54'365	+38'835	-4	...	...	...	...	* 45'335	-44'233	-4	...	...	...	36'525	-22'559	-4	...	...
...	* 54'334	-31'998	1.30	44.6091	9.4	...	...	45'264	-51'481	-4	...	...	...	36'504	-20'425	-5	...	...
31	-54'135	-12'428	-5	M	...	71	-45'216	+30'243	1.40	43.5920	9.2	111	-36'478	+10'861	-5	M	...	
...	54'106	-18'120	-5	...	...	...	...	45'209	-51'684	-5	...	...	...	* 36'242	+13'673	1.10	43.5924	9.6
...	53'751	-14'799	0.70	44.6092	10.2	...	...	45'127	-57'011	-4	...	...	...	* 35'852	+42'042	1.25	43.5925	9.8
...	53'694	-26'615	-5	M	...	...	...	44'957	+14'650	0.65	43.5921	10.2	...	35'839	-29'260	-4	...	...
...	53'657	-15'864	0.80	44.6093	10.2	...	...	44'829	-13'302	-1	...	...	...	* 35'639	+25'455	1.55	43.5926	9.2
...	-53'341	+51'556	-5	...	...	...	...	-44'804	-41'069	0.65	...	...	...	35'597	-11'489	-5	...	...
...	53'127	+5'549	-1	...	...	...	...	44'800	+26'522	-4	A	...	...	35'301	-43'320	-2	...	...
...	52'917	-19'601	-4	...	...	...	...	43'888	-44'938	0.65	44.6100	10.2	...	35'330	-32'317	0.80	44.6106	10.2
...	52'784	-10'395	0.70	...	...	...	...	* 43'795	+21'100	-4	...	...	...	34'918	-57'055	2.00	44.6107	8.7
...	52'599	-36'464	0.95	44.6094	9.9	...	...	43'708	-46'653	-5	...	...	...	34'844	+37'235	0.80	...	...

B measured from 1, 195, 360.
 CH " " 97, 282, 455.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
121-180						181-240						241-300						
121	-34°718	-37°699	0.65	...	...	181	-22°706	-21°131	0.90	44.6117	10.2	241	-9°573	-59°291	0.90	44.6131	9.8
...	34°655	-26°620	-5	M	...	...	22°645	-0°742	-2	...	...	...	* 9°361	-35°103	1.40	44.6132	9.0
*	34°635	+12°442	1.10	43.5927	9.8	...	22°150	-15°994	-4	...	...	...	...	8°394	-9°093	-4	...
...	34°478	-27°449	-4	...	...	...	21°960	-6°493	-5	M	...	...	...	7°881	-6°265	-5	M
...	34°221	+6°298	0.80	...	...	...	21°707	+8°053	-5	M	...	...	...	7°561	+1°522	-5	M
...	-33°975	+39°438	-5	M	...	...	-21°535	-4°316	-5	M	...	...	...	* 7°492	-34°022	-4	...
...	33°880	+16°621	-2	...	...	...	21°099	-37°025	-5	...	...	...	...	* 7°489	+10°242	1.00	43.5939
...	33°802	+40°269	-5	M	20°999	+29°022	-2	7°203	-45°299	-5	M
...	33°174	-11°791	-5	M	20°673	+39°577	-2	7°072	+41°947	-3	...
...	33°145	-44°216	-4	* 20°529	+18°399	1.30	43.5931	9.6	6°745	+46°224	-5	M
131	-33°097	-44°922	-5	...	...	191	-20°479	+10°363	-4	A	...	251	-6°495	-44°498	-5	m	...
...	32°913	+53°466	-5	M	...	...	20°370	-54°227	-5	...	...	S*	6°480	+23°800	3.70	43.5940	7.4
*	32°646	-12°507	1.25	44.6108	9.6	...	20°319	-24°250	-5	...	...	...	...	6°350	-43°962	-5	m
...	32°451	-14°618	-4	...	...	*	20°246	-44°273	1.30	44.6118	9.6	...	...	6°157	+5°430	-5	M
...	32°204	+57°374	-5	...	...	...	20°006	+6°191	-5	M	...	...	...	6°155	+10°747	-5	M
...	-32°082	-48°840	-5	...	...	...	-19°944	+37°187	0.70	...	...	...	...	-5°937	+17°494	-3	A
...	32°006	+28°220	-5	...	...	...	19°873	-26°512	-4	...	...	...	...	5°908	+53°948	-4	...
...	31°917	+7°994	0.70	...	...	...	19°561	+45°993	-5	M	...	...	...	5°388	+49°611	-4	...
†	31°630	-44°911	1.30	44.6109	9.2	...	18°659	-54°135	-1	44.6120	10.2	...	...	5°108	-38°601	-3	44.6135
...	31°245	+5°424	-5	M	...	...	18°416	-52°540	-5	M	...	...	*	4°752	+44°106	1.00	43.5941
141	-31°095	-2°659	-1	...	...	201	-18°226	-33°997	2.00	44.6121	8.6	261	-4°679	+38°165	-4	A m	...
...	31°065	-3°478	-4	A	...	...	18°212	-58°045	-5	...	...	...	...	4°664	+52°160	0.80	42.6028
...	30°933	+38°342	-5	M	...	*	17°436	-49°213	1.10	44.6122	9.6	...	...	4°528	+21°749	0.70	...
†	30°861	-34°800	0.80	44.6110	10.2	...	16°807	-45°073	0.70	44.6123	10.2	...	...	4°342	+20°707	-5	M m
...	30°465	-13°974	-4	...	...	...	16°618	+57°294	-5	M	...	...	...	4°195	+40°337	-5	M m
...	-29°911	-12°239	-4	...	...	...	-16°472	+49°361	-4	...	...	...	...	-2°960	-12°853	-5	M m
*	29°576	+57°562	1.25	42.6017	9.9	...	16°261	+27°689	-4	...	...	*	...	2°887	-31°123	1.10	44.6137
...	29°385	-56°593	0.70	...	...	...	16°191	+19°271	-5	...	...	...	...	2°677	-33°006	-4	...
*	28°785	+5°458	1.25	43.5928	9.5	...	16°178	+16°486	-4	...	...	...	...	2°486	+3°180	-5	M m
...	28°696	+41°411	-4	A	...	*	16°022	-19°432	1.10	44.6124	9.6	...	...	2°430	-11°498	-5	M m
151	-28°170	+36°628	-5	M	...	211	-15°768	-10°348	-4	...	...	271	-2°086	+56°733	0.80	42.6035	10.4
...	28°138	+26°135	-3	...	...	...	15°463	+24°295	-4	...	...	...	...	1°845	-26°801	-5	M m
†	27°893	-59°778	1.40	44.6111	9.0	*	15°455	+39°629	1.40	43.5932	9.3	...	...	1°825	+0°520	-5	M m
...	27°800	+54°473	-5	M	...	...	14°885	-49°568	-4	...	...	...	...	1°393	+10°220	-5	M m
*	27°636	+26°545	1.30	43.5929	9.5	S*	14°518	+8°450	1.50	43.5933	9.2	...	...	1°223	-47°082	-4	m
*	-27°606	-33°161	1.20	44.6112	9.8	...	-13°697	+25°126	-3	...	...	...	...	-1°178	-1°163	0.70	43.5942
...	27°290	+37°308	-5	M	...	...	13°361	+23°567	-5	M	...	†	...	1°018	+0°001	-5	M m
...	27°120	+6°442	-5	M	...	...	13°191	+54°219	-5	M	...	...	...	0°782	-27°909	-5	M m
...	26°947	-58°934	0.85	44.6113	10.0	...	12°452	+45°752	-5	M	...	...	...	0°677	-36°479	-4	m
...	26°518	-20°712	-4	...	...	...	12°354	+58°909	-5	...	...	...	...	0°621	+23°989	0.75	43.5943
161	-26°130	+14°867	-5	M	...	221	-12°225	+5°691	0.90	43.5934	10.0	281	-0°553	+41°783	-5	M m	...	
...	25°756	+56°156	-5	M	...	*	11°949	-3°344	1.20	43.5935	9.5	...	...	+0°464	+37°806	-5	M m
...	25°698	+36°277	-5	M	...	...	11°871	-17°696	-3	...	...	...	...	0°493	-5°778	-1	...
...	25°343	-28°833	-5	...	...	...	11°852	-37°942	-3	...	...	...	...	0°653	-17°151	-4	...
...	25°257	+13°806	-5	...	...	*	11°601	-43°696	1.50	44.6126	8.9	...	...	0°848	+32°780	-3	...
...	-24°954	+13°708	0.80	...	...	...	-11°596	+11°499	-3	A	...	...	...	+0°963	+23°455	-4	A m
...	24°717	+3°467	-4	A	...	S*	11°472	-20°713	1.50	44.6127	9.0	...	...	0°974	-22°490	-5	M m
...	24°704	+30°899	-3	A	...	*	11°420	+51°215	1.10	43.5936	9.8	...	...	1°073	+53°291	-3	...
S*	24°597	-35°995	2.25	44.6114	8.3	...	11°316	+42°708	-5	M	...	...	...	1°175	-36°201	-2	...
...	24°479	+53°306	-4	...	...	...	10°473	-56°172	-5	...	...	...	...	1°379	+19°377	-4	A m
171	-24°384	-50°724	-4	...	...	231	-10°442	+44°097	-5	M	...	291	+1°936	-1°965	1.00	43.5944	9.8
...	24°020	-55°588	-4	...	...	...	10°293	-16°197	0.70	44.6128	10.2	...	...	2°495	-42°397	0.90	44.6138
*	24°009	-7°213	1.40	43.5930	9.2	...	9°971	+11°072	-3	...	...	*	...	2°563	+18°236	1.20	43.5945
...	24°002	-1°768	0.70	...	...	...	9°907	+6°911	0.90	43.5937	9.9	...	...	2°723	-0°637	-4	B m
...	23°908	-21°270	-4	...	...	...	9°898	+58°359	-4	...	...	...	...	3°463	-7°342	-2	m
*	-23°771	-11°059	1.10	44.6115	10.0	*	-9°856	+27°152	1.10	43.5938	9.8	...	...	+3°516	+19°321	-4	M
...	23°711	+24°702	-4	B	...	*	9°825	-31°657	1.10	44.6129	9.5	...	...	3°788	-22°626	-5	M m
...	23°316	+41°505	-3	A	...	...	9°732	+19°410	-5	M	...	...	...	3°914	-47°076	-4	...
...	23°231	-11°832	-5	M	...	...	9°707	+28°892	-3	A	...	...	...	3°973	+42°484	-5	M
*	22°744	-44°717	1.10	44.6116	9.6	*	9°666	-57°699	1.30	44.6130	9.6	...	...	4°224	+49°778	-5	M m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
481-500						501-520						521-525					
481	+46.780	-4.323	-3	...	...	501	+53.224	-37.857	-5	...	...	521	+58.449	-43.285	2.00	44.6179	8.9
...	47.304	-33.499	-5	...	...	...	53.829	-37.264	-4	...	...	...	58.465	+38.396	-5	...	...
...	47.349	-46.616	-4	...	...	...	54.076	+15.567	-5	e	...	...	58.533	-23.526	-5	e	...
...	47.531	+11.512	-4	a	...	...	54.309	-32.707	-5	...	...	...	58.907	-5.458	-5	e	...
*	48.045	-49.158	1.35	44.6172	9.5	...	54.329	-42.910	-5	...	...	...	59.368	+2.083	-5	e	...
...	+48.825	-48.080	-5	...	...	...	+54.456	-48.718	-3	44.6175	10.2	...	...	...	...	...	...
...	49.082	-38.075	-4	...	...	...	54.515	-54.004	-5	...	...	...	...	...	...	...	...
...	49.105	+39.725	-3	43.5970	10.2	...	55.110	-26.570	-3	...	...	...	...	...	...	...	...
...	49.539	+49.524	-2	43.5971	10.2	...	56.437	-3.557	-3	...	...	...	...	...	...	...	...
...	49.983	+20.830	-2	...	...	...	56.590	-23.252	-4	e	...	...	...	...	...	...	...
491	+50.243	-26.110	-4	...	...	511	+56.700	-20.271	0.80	44.6176	10.2	...	...	...	...	...	...
...	50.619	-32.061	-5	...	...	...	56.728	+41.275	-5	...	...	...	...	...	...	...	...
...	51.428	+28.778	-5	...	...	...	56.741	-29.890	1.50	44.6177	9.0	...	...	...	...	...	...
...	51.665	+15.785	-5	...	...	...	56.995	-6.927	0.90	43.5974	10.2	...	...	...	...	...	...
...	51.729	-23.821	-5	...	...	*	57.229	+44.169	2.20	43.5973	9.0	...	...	...	...	...	...
...	+52.155	+10.863	0.80	43.5972	10.2	*	+57.459	-55.997	1.40	44.6178	9.4	...	...	...	...	...	...
*	52.250	-24.049	1.30	44.6173	9.4	...	57.555	-18.431	-5	e	...	...	...	...	...	...	...
...	52.385	-37.516	-5	m	...	...	57.586	-20.007	-5	...	...	...	...	...	...	...	...
...	53.027	-17.228	0.80	44.6174	10.0	...	58.077	+25.591	-5	...	...	...	...	...	...	...	...
...	53.147	-47.273	-5	...	...	*	58.283	+28.796	1.40	43.5975	9.6	...	...	...	...	...	...

1-30						31-60						61-90					
I	-60.019	+39.552	-2	43.5970	10.2	31	-52.016	-48.686	0.65	44.6175	10.2	61	-47.776	+50.959	2.00	43.5976	9.0
†	59.871	+49.362	0.85	43.5971	10.2	...	52.003	-26.533	-3	...	...	S*	47.759	+3.621	-4	A	...
...	59.786	-23.684	-4	M	...	...	51.768	-53.973	-3	...	...	...	47.686	+13.507	-4	...	...
...	59.618	-33.696	-4	...	...	...	51.714	+46.068	-4	...	...	S*	47.528	-13.086	3.10	44.6180	7.6
...	59.175	-46.806	-3	...	...	...	51.662	-52.432	-4	...	...	...	47.357	+16.734	-5	...	...
...	-58.581	+20.682	0.65	...	...	...	-51.405	-3.485	-1	...	...	...	-47.333	-53.057	-4	...	...
*	58.395	-49.327	1.15	44.6172	9.5	...	50.733	-6.833	0.80	43.5974	10.2	...	47.102	-28.022	-4	M	...
...	57.697	-38.222	-2	...	...	...	50.712	-41.465	-4	...	...	*	47.035	+7.767	1.30	43.5977	9.4
...	57.642	-48.222	-5	...	...	...	50.648	+25.678	-4	...	...	...	46.885	+52.478	-5	M	...
...	57.371	+28.669	-3	...	...	...	50.641	-23.172	-4	E	...	...	46.846	-31.527	0.80	44.6181	10.0
II	-56.887	-26.216	-3	...	...	41	-50.626	+38.502	-4	...	...	71	-46.537	+16.498	-5	M	...
...	56.757	+15.700	-3	...	...	...	50.610	-20.190	0.80	44.6176	10.2	...	46.203	+50.121	0.90	43.5978	10.2
...	56.344	-32.148	-4	...	...	*	50.529	+28.908	1.10	43.5975	9.6	...	46.060	+16.351	-5	M	...
...	56.124	+10.792	0.75	43.5972	10.2	...	50.432	-34.793	-5	M	...	...	46.052	-23.444	-4	...	...
...	55.472	-23.885	-4	...	...	*	50.273	-29.782	1.70	44.6177	9.0	...	46.038	-19.160	-5	M	...
*	-54.932	-24.097	1.20	44.6173	9.4	...	-49.817	-18.317	-4	E	...	...	-45.793	-31.437	0.85	44.6182	10.2
*	54.382	-17.255	0.90	44.6174	10.0	...	49.752	-19.885	-4	...	...	...	45.628	+21.021	-4	...	...
...	54.342	+15.556	-3	E	...	*	49.543	+57.858	1.60	42.6084	9.6	...	45.360	+19.979	-3	A	...
...	53.547	-37.862	-5	E	...	...	49.492	+17.364	-5	M	...	...	45.210	-17.763	-5	M	...
...	53.467	-59.722	-4	M	...	...	49.197	+42.561	-5	M	...	...	45.153	-11.947	-5	M	...
21	-53.335	-47.275	-4	...	...	51	-49.147	-28.596	-4	M	...	81	-45.072	+35.333	0.80	43.5979	10.0
...	53.320	-1.696	-3	...	...	...	48.868	-5.306	-4	E	...	†	45.069	-4.986	-4	...	...
...	53.286	-49.538	-5	M	...	*	48.767	-55.872	1.30	44.6178	9.4	†	45.024	-51.418	-4	...	...
...	52.986	-37.249	-4	...	...	...	48.687	-23.386	-4	E	...	...	44.951	-4.873	-5	M	...
...	52.655	-32.680	-4	...	...	...	48.637	+2.245	-4	E	...	*	44.877	+59.658	1.00	42.6086	9.8
...	-52.481	+10.763	-4	...	...	...	-48.378	+16.645	-5	...	...	...	-44.685	-36.938	-3	...	...
...	52.471	+41.319	-4	...	...	...	48.313	+42.698	-5	M	...	S*	44.611	-39.352	1.90	44.6183	8.8
...	52.308	-42.887	-4	...	...	*	48.154	-43.136	2.00	44.6179	8.9	...	44.544	-43.403	-5	M	...
...	52.215	-55.323	-5	M	...	...	48.132	+45.305	0.65	...	...	...	44.519	-3.641	-4	M	...
*	52.038	+44.232	1.80	43.5973	9.0	...	47.875	+47.085	0.65	...	...	...	44.473	+23.928	-1	...	...

ES measured from 1, 147, 252, 374.
MC ,, ,, 81, 202, 320, 449.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	z.	No.	Mag.		x.	y.	z.	No.	Mag.		x.	y.	z.	No.	Mag.
91-150						151-210						211-270					
91	-44.375	+52.478	-4	...	...	151	-29.362	+1.107	-2	...	...	211	-13.039	+35.495	-5	M	...
...	44.268	-27.887	-4	...	...	...	29.094	+49.691	-5	M	...	...	12.790	-13.666	-3	44.6199	10.2
...	44.187	-53.722	-4	...	...	...	28.946	+37.507	-3	...	...	...	12.678	+36.421	0.75	43.5998	10.2
*	43.839	-52.274	1.10	44.6184	9.5	...	28.477	+22.860	-5	...	...	...	12.121	-53.749	-4	...	...
...	43.746	+15.587	-3	...	...	...	28.084	+15.202	-4	M	...	...	11.194	+20.979	-2	...	...
...	-43.436	-28.499	0.65	44.6185	10.2	...	-27.745	-56.518	1.00	44.6192	9.9	...	-11.087	-20.275	-5	M	...
...	43.332	+54.083	-4	A	...	...	27.666	+8.495	-5	...	...	...	10.523	-56.683	-5	M	...
†	43.071	-25.077	-5	M	...	...	27.600	-23.134	-5	...	...	...	10.289	-33.438	-5	M	...
...	42.924	-24.329	-4	...	...	...	27.358	+34.517	-5	M	...	...	9.757	-16.443	-5	M	...
...	42.531	+38.580	-4	B	...	...	27.269	+32.869	0.85	43.5988	10.0	...	9.749	-43.737	-4	...	...
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...
...	-41.986	+50.285	-4	...	...	...	-27.196	+13.134	-5	...	...	*	-9.606	+36.737	2.20	43.5999	8.6
...	41.735	+42.120	-5	M	...	...	26.714	-50.198	-4	...	...	...	9.248	+15.855	0.95	43.6000	9.9
...	41.608	-11.201	-5	M	...	...	26.652	-25.143	-5	M	...	...	9.011	-54.257	-5	M	...
...	41.559	+10.217	-4	...	...	...	26.489	+44.081	-4	...	...	...	8.975	+50.754	-1	43.6001	10.2
...	41.289	-21.130	-5	M	...	...	26.472	-15.508	-5	...	...	...	8.674	+41.509	-1	...	...
...	-41.255	-47.952	-5	M	...	...	-26.452	+42.625	0.65	...	...	*	-7.939	-9.558	1.10	44.6200	9.6
*	41.238	-37.474	0.85	44.6186	9.8	...	26.448	-1.319	-3	...	...	...	7.523	+53.898	-4	...	...
...	41.138	-51.653	-2	...	...	*	25.762	-1.588	2.60	43.5989	8.2	...	7.380	-52.385	-2	...	...
S*	41.088	+20.309	1.40	43.5980	9.2	...	25.671	+13.310	-5	...	...	...	6.885	+16.012	-4	...	...
...	41.047	-16.346	-4	M	...	†	25.463	+34.791	0.95	43.5990	9.8	...	6.121	+17.116	-4	...	...
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...
†	-39.518	+44.705	1.60	43.5981	9.2	...	-25.056	+25.711	-5	M	...	...	-5.667	-23.142	-3	m	...
...	39.242	+50.519	-4	...	...	...	25.010	+42.101	0.70	43.5991	10.0	†	5.124	-42.314	-4	m	...
...	38.745	+6.396	-1	...	...	*	24.546	+39.407	2.10	43.5992	8.8	S*	4.568	-9.579	1.80	44.6203	9.2
...	38.504	+22.235	-4	M	...	...	24.175	+57.276	-5	M	...	...	4.493	-40.589	-5	M m	...
...	38.054	-57.784	-4	...	...	*	23.912	+56.024	1.10	42.6105	9.9	...	4.277	-59.113	-5	M m	...
...	-37.862	-26.477	-3	...	...	...	-23.348	-46.700	0.65	...	...	...	-4.145	-58.204	-5	M m	...
...	37.370	+1.460	-5	M	...	...	23.240	+17.410	0.65	43.5993	10.2	...	3.653	+46.448	-2	...	...
...	37.181	-3.247	-4	M	...	...	23.087	+49.346	-2	...	...	...	3.576	+11.723	-2	43.6002	10.2
...	36.813	+21.477	-4	M	...	...	23.058	+42.112	-4	...	...	...	3.567	-56.291	-5	m	...
...	36.025	-30.368	-1	44.6188	10.2	...	22.998	+13.407	-4	...	...	*	3.482	-50.844	1.20	44.6204	9.3
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
...	-35.799	+33.163	0.80	43.5982	10.2	...	-22.257	-18.006	-5	M	...	...	-3.378	-16.594	-4	m	...
†	35.182	+15.072	1.60	43.5983	9.2	...	21.200	-53.362	0.85	44.6193	10.0	*	3.317	+41.885	0.90	43.6003	9.8
†	34.979	-24.966	0.65	44.6189	10.2	...	20.486	+31.601	-5	...	...	...	2.821	+23.214	0.90	43.6004	10.0
...	34.958	-44.075	-3	...	...	†	20.220	+43.750	0.90	43.5994	10.0	...	2.744	-56.119	-5	M m	...
...	34.797	+25.482	0.75	43.5984	10.2	†	20.060	-23.436	1.70	44.6194	9.2	S*	1.749	+40.795	1.40	43.6005	9.4
*	-34.742	+43.361	1.40	43.5985	9.2	...	-19.637	+39.943	-1	...	...	...	-1.348	-52.617	-5	M m	...
...	34.517	+7.376	-4	...	...	...	18.551	-25.267	-5	M	...	*	0.923	-31.562	0.90	44.6205	10.0
...	34.397	-8.606	-5	M	...	...	18.482	-25.794	-4	...	...	...	0.763	+41.730	-3	...	...
*	33.834	+34.527	1.00	43.5986	9.6	...	18.340	+54.504	-3	...	...	...	0.686	-2.363	0.90	43.6006	9.8
...	33.728	-48.606	-4	M	...	...	17.718	+44.609	0.65	...	...	...	0.591	-23.130	-4	m	...
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
...	-33.725	+18.426	-4	...	...	...	-17.211	-27.204	-5	...	...	*	-0.529	+9.569	1.30	43.6007	9.6
...	33.700	-2.262	-5	M	...	...	17.174	-55.099	0.80	44.6195	10.0	†	0.044	+9.835	-3	43.6008	10.2
...	33.668	-47.969	-2	...	...	...	16.896	-10.296	-4	M	...	...	-0.018	+20.667	0.90	43.6009	10.0
...	33.331	+55.718	0.80	42.6098	10.4	...	16.880	-53.122	-2	44.6196	10.2	*	+0.785	-38.763	-5	M m	...
...	33.009	+24.786	-5	...	...	...	16.552	+22.752	0.65	...	...	...	1.299	-7.881	0.85	43.6010	9.8
...	-32.636	-6.906	-5	M	...	...	-16.308	+5.706	-3	...	...	...	+1.479	-54.805	-5	M m	...
...	32.625	-36.481	-3	...	...	...	16.165	-49.068	-1	...	...	...	1.519	-29.347	-4	m	...
...	32.280	-25.532	0.80	44.6190	10.0	...	16.086	-14.227	-4	M	...	...	1.732	-49.810	-5	M m	...
...	32.066	+46.366	-3	...	...	†	15.501	+24.880	-5	M	...	...	1.740	-30.007	0.85	44.6206	10.0
...	32.035	-2.068	-5	M	...	...	15.368	+26.030	-4	...	...	...	1.744	-6.795	0.75	43.6011	9.8
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
...	-31.675	+55.448	-5	M	...	†	-15.204	+53.619	1.15	42.6109	9.5	...	+1.839	+25.058	-4	...	...
...	31.416	+54.844	-3	...	...	...	14.933	+11.624	-1	43.5995	10.2	*	1.850	+33.834	1.10	43.6012	9.6
...	31.090	+0.411	-3	...	...	*	14.725	+29.910	0.95	43.5996	9.6	S*	2.905	+26.435	1.60	43.6013	9.0
...	30.676	-38.329	-4	...	...	*	14.610	-27.420	1.30	44.6197	9.6	*	3.232	-34.530	0.90	44.6207	9.0
...	30.505	-28.283	-4	...	...	...	14.482	+30.550	0.65	43.5997	10.2	*	3.456	-7.607	1.15	43.6014	9.6
*	-30.393	+37.652	1.20	43.5987	9.5	...	-14.358	+31.480	-4	...	...	...	+3.583	+43.888	0.75	...	...
...	29.996	+39.492	-5	M	...	...	14.112	-8.045	-5	M	...	...	3.659	-55.714	0.70	...	...
*	29.649	-40.778	0.95	44.6191	9.8	...	13.886	+32.706	-3	...	...	...	4.127	+40.167	-4	...	...
...	29.554	+43.875	-5	M	...	...	13.672	+33.399	-4	...	...	...	4.153	-38.238	0.80	44.6208	10.2
...	29.527	+35.412	-5	M	...	*	13.161	-38.885	0.80	44.6198	9.9	...	4.190	-53.631	0.80	42.6121	10.3

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
451-480						481-510						511-522								
451	+45.334	+21.338	-5	m	...	481	+52.130	+51.645	0.80	43.6043	10.2	511	+57.766	-29.662	-5	e	...			
...	45.604	+48.981	-4	...	...	...	52.153	-9.641	-5	e	...	...	58.138	+1.838	-3	e	...
...	45.689	-20.223	0.70	44.6240	10.2	...	52.174	+0.298	-4	e	...	...	58.138	-7.946	-1	43.6050	10.2	
...	45.814	-22.267	-5	m	...	...	52.441	+11.693	-4	...	...	...	58.588	-41.017	-2	44.6250	10.2
...	45.901	+55.129	-3	...	...	...	52.508	+20.112	0.85	43.6044	10.2	...	58.863	+41.963	-2	...	...	
...	+46.164	-52.025	-5	m	...	...	+52.603	+27.442	-4	...	...	...	+58.980	+40.196	-4	m	...
...	46.241	-33.770	-4	m	...	...	52.750	-54.904	1.30	44.6247	9.4	...	59.004	+4.781	-3	e	...	
...	46.715	-20.371	0.75	44.6241	10.2	...	52.866	+7.222	0.85	43.6046	10.2	...	59.161	-19.993	0.90	44.6251	10.0			
...	47.547	+18.271	-4	...	...	...	53.040	+51.004	0.85	43.6045	10.3	...	59.197	-6.208	0.80	43.6052	10.2
...	47.958	-17.430	1.00	44.6242	9.6	...	53.091	-16.984	-2	...	...	...	59.262	+40.642	1.40	43.6051	9.3
461	+48.029	+53.287	0.80	42.6152	10.3	491	+53.179	+20.295	0.85	43.6047	10.0	521	+59.485	-6.848	-1	e	...			
...	48.039	-45.634	-5	e	...	...	53.248	+20.492	-4	m	...	...	59.630	-49.860	-3	44.6252	10.2
...	48.376	+27.394	-3	...	...	...	53.473	-18.827	0.75	44.6248	10.2	...	...	...	...	...	...
...	48.506	-37.576	-3	...	...	...	53.872	-27.316	-4	e	...	...	...	...	...	...	...
S*	48.523	-3.768	1.35	43.6042	9.0	...	53.926	-47.792	-4	...	...	...	...	...	...	...	...
...	+49.313	-48.748	-1	44.6243	10.2	...	+54.193	-38.299	1.00	44.6249	9.8	...	...	...	...	...	...
...	49.404	+15.856	-5	...	...	...	54.635	-47.356	-5	...	...	...	...	...	...	...	...
...	49.529	+33.119	-1	...	...	...	55.856	-18.235	-3	e	...	...	...	...	...	...	...
...	49.960	-33.691	-4	e	...	N*	55.895	+27.348	0.95	43.6048	9.6	...	...	...	...	...	...
...	49.990	-14.577	-5	...	...	N	55.981	+27.348	-3	...	...	...	...	...	...	...	...
471	+50.170	-16.217	-1	...	...	501	+56.027	-9.056	-3	e	...	...	...	...	...	...	...
...	50.210	+7.042	-5	m	...	...	56.066	-47.293	-5	e	...	...	...	...	...	...	...
...	50.222	+49.142	-5	m	...	...	56.409	-43.739	-3	...	...	...	...	...	...	...	...
...	50.578	+26.173	-4	...	...	...	56.532	+51.132	0.80	43.6049	10.2	...	...	...	...	...	...
...	51.139	-28.088	-5	m	...	...	56.542	-5.077	-3	e	...	...	...	...	...	...	...
...	+51.147	+39.701	-4	...	...	...	+56.614	+5.424	-5	e	...	...	...	...	...	...	...
...	51.490	-35.614	1.20	44.6244	9.4	...	57.177	-9.599	-5	e	...	...	...	...	...	...	...
...	51.793	-48.007	-1	44.6245	10.2	...	57.187	-14.063	-3	...	...	...	...	...	...	...	...
...	52.022	-40.547	0.65	44.6246	10.2	...	57.207	-32.782	0.70	...	...	...	...	...	...	...	...
...	52.113	+14.369	-4	e	...	...	57.556	-23.782	-3	...	...	...	...	...	...	...	...

499, 500. 43°-79, two stars; 44°-80, mass.

1-20						21-40						41-60							
I	x.	y.	-z.	No.	Mag.	21	x.	y.	-z.	No.	Mag.	41	x.	y.	-z.	No.	Mag.		
S*	-59.444	-17.598	1.05	44.6242	9.6	...	-54.683	-40.586	0.85	44.6246	10.2	...	-50.300	-13.959	-4	...	...
...	59.380	+32.961	-3	...	...	...	54.677	-48.071	-2	44.6245	10.2	...	50.191	-43.644	-5	...	...
...	59.263	-3.938	1.35	43.6042	9.0	...	54.333	-17.022	-5	...	...	...	50.137	+40.325	-5	M	...	
...	59.000	+15.724	-5	...	...	...	53.881	-18.837	0.90	44.6248	10.2	...	* 49.870	+40.773	1.25	43.6051	9.3	
...	58.498	-45.790	-5	E	...	...	+53.498	-54.908	1.25	44.6247	9.4	...	...	49.863	+1.953	-5	E	...
...	-57.989	+39.607	-5	...	...	...	-53.214	-27.303	-5	E	...	...	...	-49.718	-32.670	0.75	...	...
...	57.362	+51.565	-3	43.6043	10.2	...	52.924	+51.180	0.85	43.6049	10.2	...	...	49.649	-23.673	-5	...	...
...	57.256	-16.338	-3	...	...	N*	52.849	+27.383	1.15	43.6048	9.6	...	...	49.538	-7.820	-3	43.6050	10.2
...	57.152	-48.873	-2	44.6243	10.2	...	52.792	+16.409	-5	M	...	...	...	49.256	-29.543	-5	E	...
...	56.946	-33.807	-5	E	...	...	52.566	-38.276	1.05	44.6249	9.8	...	...	49.076	+4.922	-5	E	...
II	-56.398	+50.955	0.65	43.6045	10.3	31	-52.549	-47.774	-5	...	...	...	...	-48.556	-6.035	0.80	43.6052	10.2
...	56.247	+14.305	-5	E	...	...	51.971	+41.603	-5	M	...	...	...	48.464	+46.165	-3	...	...
...	56.136	+27.392	-5	...	...	...	51.843	-47.312	-4	...	...	...	...	48.245	-6.681	0.65	E	...
...	56.022	+20.050	0.90	43.6044	10.2	...	51.610	-9.002	-3	E	...	...	...	* 48.148	-19.842	1.00	44.6251	10.0
...	55.847	+11.633	-5	...	...	...	51.514	-18.177	-4	E	...	...	...	48.095	-40.848	0.70	44.6250	10.2
...	-55.758	+0.241	-5	E	-51.469	+5.513	-5	E	-47.602	+54.401	0.95	42.6159	10.1
...	55.479	-9.695	-5	E	51.239	-4.991	-4	E	47.236	-28.248	-5	M	...
...	* 55.363	-35.666	1.25	44.6244	9.4	...	50.468	-9.514	-5	E	46.776	-49.684	0.80	44.6252	10.2
...	55.357	+20.254	0.90	43.6047	10.0	...	50.411	-47.217	-5	E	46.772	-24.955	-4
...	55.273	+7.186	0.90	43.6046	10.2	...	50.323	+42.093	-3	46.425	-16.635	-3

S measured from 1, 124, 268, 426. SB 68, 194, 338, 519.

28. Mass. 43°-79, 44°-79, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
61	-46.205	-29.006	5	M	...	121	-31.311	-35.925	3	...	...	181	-18.120	+16.356	0.70	...	...
S*	46.110	+38.285	1.30	43.6053	9.5	...	31.193	-13.100	5	M	...	...	17.760	-19.222	4	...	...
...	45.998	-21.343	5	M	...	...	30.600	-7.623	5	M	...	...	17.728	-15.558	5	M	...
...	45.978	-17.827	4	B	...	...	29.793	+51.527	5	...	...	...	17.711	+36.206	5	M	...
...	45.847	+49.135	2	43.6055	10.2	...	29.408	-54.113	5	...	...	...	17.549	+18.653	5	M	...
†	-45.272	+29.858	1	43.6056	10.2	...	-29.203	+38.373	5	...	...	...	-17.340	-26.502	5	M	...
*	45.222	-6.097	1.05	43.6054	9.6	...	29.123	-31.345	5	M	...	...	17.277	-12.721	1.00	44.6270	9.8
*	44.806	+51.996	1.00	42.6162	10.0	...	29.104	+3.309	5	M	...	S†	17.179	-54.945	1.23	44.6269	9.0
...	44.765	+54.545	0.65	42.6163	10.3	...	28.467	-37.368	4	...	...	...	16.791	-36.531	5	M	...
...	44.020	+45.162	2	...	...	...	28.361	-28.335	4	...	...	*	16.606	-8.589	1.20	44.6272	9.4
71	-43.897	+14.667	5	...	...	131	-28.014	+42.323	0.80	43.6068	10.2	191	-16.211	+34.308	4	...	...
...	43.850	+3.086	3	...	...	...	27.928	+55.372	5	M	...	...	15.668	+53.633	5	...	...
†	43.598	-0.154	5	M	...	...	27.699	-27.696	5	M	...	...	15.230	-59.392	5	...	...
...	43.243	+44.579	0.95	43.6058	10.0	...	27.635	-55.638	5	M	...	...	15.043	+50.464	5	M	...
...	43.168	-49.057	4	...	...	...	27.629	-45.333	0.90	44.6263	9.8	*	15.009	+26.736	1.00	43.6074	9.8
...	-42.786	+32.736	5	M	...	*	-27.469	+41.959	1.30	43.6069	9.2	...	-13.653	+19.540	4	...	...
...	42.772	-5.815	0.80	43.6057	10.2	...	27.382	+47.565	4	...	...	*	13.613	-46.358	1.05	44.6273	9.8
...	42.698	+43.973	3	...	...	...	26.984	+8.064	5	...	...	...	13.122	-29.447	5	M	...
*	42.664	-30.468	1.10	44.6255	9.4	...	26.944	-15.214	3	...	...	...	12.952	-32.529	4	...	...
...	41.972	-22.148	5	M	...	...	26.861	+1.037	5	M	...	...	12.538	+38.928	5	M	...
81	-41.893	-38.637	4	...	...	141	-26.718	+54.082	5	...	...	201	-12.500	+35.445	5	M	...
*	41.664	+0.436	1.00	43.6059	10.0	...	26.362	-18.753	3	...	...	...	12.037	+8.125	0.95	43.6075	10.2
S†	40.843	-45.059	1.40	44.6256	8.5	†	25.993	+24.891	5	...	...	...	12.003	-3.588	4	B	...
...	40.787	+28.244	5	M	...	...	25.326	-15.227	5	M	...	...	11.799	-28.900	0.70	44.6275	10.2
...	40.605	+12.361	1	...	...	...	24.262	+38.529	3	...	...	...	11.725	-14.950	0.65	...	...
†	-40.035	-35.603	5	...	...	...	-24.125	-59.760	3	...	...	*	-11.523	-30.089	1.15	44.6276	9.5
...	39.929	+20.751	5	M	...	...	23.931	-18.006	5	M	...	...	11.300	+7.816	4	A	...
*	39.843	+3.878	1.00	43.6060	9.9	...	23.560	+8.821	0.65	...	...	...	11.102	-56.140	5	...	...
*	39.582	-5.424	1.20	43.6061	9.0	...	23.518	-39.534	0.65	...	...	...	10.654	-16.206	5	M	...
*	39.286	-1.405	1.25	43.6062	9.3	...	23.451	+28.291	5	M	...	*	10.511	-58.449	1.00	44.6277	9.8
91	-39.022	+2.476	5	M	...	151	-23.005	+57.302	5	M	...	211	-10.394	+30.938	5	M	...
...	38.771	-8.970	3	...	...	...	22.723	+15.790	5	M	...	...	10.279	+36.491	4	...	...
...	38.621	-18.933	1	...	...	...	22.689	-16.473	5	M	...	...	9.686	-57.131	4	...	...
...	37.929	-8.496	5	M	...	...	22.628	+20.449	0.70	...	...	...	9.639	-47.878	5	M	...
...	37.621	+43.391	3	...	...	...	22.597	-43.125	5	M	...	...	9.489	-44.414	5	M	...
...	-37.580	-51.978	5	M	...	...	-22.309	-20.909	5	M	...	†	-9.214	-14.966	5	M	...
...	37.401	+39.317	3	...	...	...	22.268	+10.544	5	M	...	...	9.165	+20.122	4	A	...
...	37.047	-36.758	3	...	...	...	21.583	+21.374	0.90	43.6070	10.2	...	9.038	+50.001	4	...	...
*	36.951	-17.408	1.20	44.6257	9.2	...	21.494	-30.646	5	M	...	...	9.027	-5.790	5	M	...
...	36.691	-20.790	2	...	...	...	21.172	+17.511	4	...	...	...	8.917	-42.572	3	...	...
101	-36.263	-6.884	1.05	43.6063	9.6	161	-21.031	+55.380	5	M	...	221	-8.901	-21.905	4	...	...
...	36.030	-33.557	4	...	...	...	20.902	+34.117	4	...	...	...	8.900	+40.893	4	...	...
...	35.924	-13.350	0.95	44.6258	10.2	...	20.784	+50.795	5	...	...	...	8.876	-7.905	5	M	...
...	35.137	-36.203	0.95	44.6259	10.2	*	20.397	-39.194	3.00	44.6265	7.7	...	8.765	-39.741	5	M	...
...	35.034	-42.462	4	...	...	...	20.383	+45.330	5	M	...	...	8.723	-29.636	3	...	...
S*	-34.662	-7.469	1.20	43.6064	9.2	...	-20.315	-36.777	5	M	...	...	-8.510	+55.195	5	...	...
...	34.530	-42.323	3	...	...	...	20.244	+4.295	5	M	...	*	8.442	+2.285	1.00	43.6076	9.8
...	34.343	-31.022	5	M	...	...	20.240	+50.822	0.75	43.6071	10.2	...	8.025	+46.611	5	...	...
...	34.327	-48.210	0.95	44.6260	10.0	†	19.953	-26.003	1.05	44.6266	9.4	...	7.762	-0.759	4	B	...
...	34.132	-7.949	4	B	...	...	19.786	+23.569	0.90	43.6072	10.2	...	7.661	+44.355	0.70	...	...
111	-34.031	-43.920	2	44.6261	10.2	171	-19.774	-20.588	0.70	44.6267	10.2	231	-7.254	-34.346	1.00	44.6280	9.6
...	33.973	-47.579	5	M	...	†	19.466	+24.844	2	...	...	*	7.229	-44.238	1.00	44.6279	9.8
...	33.457	+34.285	0.95	43.6065	9.9	...	19.106	+2.539	5	M	...	...	7.029	-38.177	1	...	...
...	33.089	+30.800	5	...	...	...	19.013	+13.470	5	M	...	...	7.016	+6.585	4	A	...
...	33.015	-32.131	1	...	...	...	18.696	-24.290	5	M	...	...	6.950	+11.258	0.90	43.6077	10.2
*	-32.739	-21.101	1.00	44.6262	9.6	...	-18.488	-29.520	5	...	...	...	-6.563	+23.219	0.65	...	...
...	32.507	-7.907	4	B	...	...	18.462	-4.276	0.90	43.6073	10.0	...	6.247	+18.703	5	M	...
...	31.933	+49.576	0.95	43.6067	10.2	...	18.408	+5.581	4	A	...	...	6.246	-12.120	5	M	...
*	31.648	-1.949	1.00	43.6066	9.6	...	18.389	-37.369	5	M	...	...	5.882	-2.232	5	M	...
...	31.605	+45.596	5	M	...	...	18.336	-27.649	0.90	44.6268	9.9	...	5.847	-33.572	0.95	44.6281	10.0

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.		Mag.	x.	y.	-4.	No.	Mag.	x.	y.	-4.	No.	Mag.
241-300																										
241	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	5·310	+28·878	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	5·301	+51·097	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	5·057	-1·058	1·15	43.6078	9·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	4·825	-34·371	0·65	44.6282	10·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
N	4·775	-59·139	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	4·166	-51·348	-5	M m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	4·140	-2·904	-5	M m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	3·636	-24·113	-4	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	3·446	-7·559	0·85	43.6079	10·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	3·445	+51·336	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
301-360																										
301	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	6·802	+13·405	1·00	43.6088	9·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	7·363	+16·616	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	7·465	-52·018	1·00	44.6290	9·6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	7·699	+25·527	0·80	43.6089	10·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SN*	7·755	-10·576	1·80	44.6291	9·3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	7·932	+42·766	1·00	43.6090	9·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	8·371	-43·132	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	8·585	-52·492	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	8·813	-57·852	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	9·086	-42·572	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
361-420																										
361	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	18·343	+12·762	1·00	43.6095	10·2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	19·023	-40·581	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	19·057	-2·112	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
S*	19·123	-49·136	1·40	44.6305	8·8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
S*	19·193	+12·578	1·95	43.6096	8·5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	19·205	+40·649	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	19·234	+26·622	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	19·605	-38·374	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	19·753	-57·287	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20·018	-31·035	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
371-430																										
371	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20·314	+17·604	0·90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20·511	-40·819	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20·824	-13·542	0·85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20·955	-25·280	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20·993	+37·692	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	21·293	-6·346	0·90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·050	-57·857	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·322	+37·076	-2	42.6297	8·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·408	-53·574	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·464	-32·138	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
381-440																										
381	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·583	+41·470	1·00	43.6097	9·9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·765	-13·800	0·85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·812	-51·848	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	22·816	+44·445	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	23·764	-25·633	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24·211	-45·211	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24·329	-54·262	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24·437	+4·282	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24·543	-17·851	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24·611	+12·509	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
391-450																										
391	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24·784	+28·246	2·80	43.6098	7·1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	24·813	-28·973	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25·119	+0·389	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25·429	+41·657	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25·438	-24·802	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25·539	-39·618	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25·579	+29·963	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25·754	-32·953	-4	...																						

Note:	Co-ordinates.		Diam. -4.	C.P.D.		Notes.	Co-ordinates.		Diam. -4.	C.P.D.		Notes.	Co-ordinates.		Diam. -4.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
421-480						481-540						541-574						
42I	+29'21I	+16'928	-5	m	...	48I	+37'982	+20'356	1.20	43.6101	9.4	54I	+50'096	-13'706	0.65	...	...
...	29'38I	-1'845	0.95	...	...	...	38'573	+3'60I	-5	m	...	...	...	50'148	+9'766	-5	...	...
...	29'393	-2'650	-3	...	...	...	38'613	-17'186	0.70	...	...	...	...	50'198	+21'744	-5	...	...
...	29'507	+0'472	-5	m	...	...	38'936	+15'739	0.80	...	...	...	...	50'534	+18'104	0.95	43.6107	10.2
...	29'636	-16'480	-5	...	...	...	39'005	-36'664	0.65	...	...	...	...	51'304	+3'610	-5	...	...
...	+29'834	+52'155	-5	...	...	...	+39'038	-44'47I	-5	...	...	...	...	+51'808	-15'607	-5	...	...
...	29'920	-39'799	-2	...	...	...	39'308	-2'948	-4	...	...	...	...	52'165	-8'809	-5	e	...
...	30'174	+22'644	-5	...	...	...	39'356	+5'710	-3	...	...	...	...	52'643	-19'752	-5	...	...
...	30'273	+24'120	-5	...	...	...	39'434	-47'362	-5	m	...	...	...	53'30I	-44'166	-5	e	...
...	30'527	-10'768	-2	...	...	...	39'464	-3'274	0.80	...	...	...	...	53'328	-33'19I	-3	...	...
43I	+30'659	+52'496	1.05	42.6210	9.8	49I	+39'817	+33'817	1.55	43.6102	8.8	55I	+53'576	-9'752	-4	...	...
...	30'814	-2'446	-3	...	...	...	39'862	+21'782	1.10	43.6103	9.6	...	53'935	+17'987	-5	...	...
...	30'968	+17'819	0.70	...	...	...	39'88I	+53'772	0.65	...	...	...	54'087	+51'709	-5	...	...
...	3I'138	-27'746	-5	...	...	...	40'30I	+31'398	1.10	43.6104	9.4	...	54'138	-28'723	-5	...	...
...	3I'169	-19'405	0.90	44.6307	10.0	...	40'339	-11'715	-5	m	...	...	S*	54'339	-26'398	1.20	44.631I	9.1
...	* +3I'180	-50'015	1.05	44.6308	9.8	...	+40'743	+42'260	0.90	...	...	...	...	+54'38I	+44'334	0.75	...	...
...	3I'432	-55'436	-5	...	...	...	4I'026	-46'019	0.80	...	...	...	...	54'415	+38'683	1.35	43.6108	9.4
...	3I'679	-5'519	-5	m	...	...	4I'478	-16'805	-5	m	...	...	...	55'50I	-46'299	-5	...	...
...	3I'872	+30'799	-5	...	...	...	4I'543	-8'82I	-5	...	...	...	...	* 55'975	+55'756	1.50	42.6225	9.0
...	3I'897	-35'780	-5	...	...	...	4I'543	+30'600	-5	...	...	...	...	56'139	-36'833	-5	e	...
44I	+3I'939	+9'994	0.75	...	...	50I	+4I'558	-0'64I	-5	m	...	56I	+56'21I	+47'232	-5	...	...
...	3I'969	-58'20I	-4	...	...	...	42'514	-2'217	-1	...	...	...	56'245	+31'325	0.95	43.6109	10.2	
...	3I'977	-44'793	-5	...	...	...	42'545	-41'814	-1	...	...	...	56'349	-51'017	-1	...	...
...	3I'985	+2'898	-5	m	...	...	42'807	+42'905	-5	m	...	...	56'514	-27'517	-4	...	...
...	32'110	-35'866	-4	...	...	...	42'807	-58'809	-4	...	...	...	* 57'009	+26'112	1.00	43.6110	10.2	
...	+32'17I	-15'536	-5	...	...	...	+42'957	+21'290	-5	m	...	...	...	+57'034	+19'065	0.75	...	...
...	32'327	-36'526	-4	...	...	...	42'996	-56'684	-5	...	...	...	...	* 57'378	+22'202	1.00	43.6112	10.1
...	32'426	-0'298	-5	m	...	...	43'066	-11'630	-5	m	...	...	...	57'457	-42'565	-4	...	...
...	32'474	+21'959	-5	...	...	...	43'106	+47'446	0.90	...	...	...	...	* 57'495	-47'173	-4	...	...
...	32'497	-12'760	-5	m	...	...	43'115	-28'744	0.75	...	...	...	...	* 57'529	+42'289	1.00	43.6111	10.1
45I	+32'537	-55'736	0.90	...	...	51I	+43'204	-28'455	-5	...	...	57I	+57'925	+25'731	1.00	43.6113	10.0	
...	32'999	-51'127	-5	...	...	...	43'776	-35'900	-3	...	...	...	58'581	+23'410	0.65	...	...
...	33'058	+12'497	-5	m	...	...	43'888	+27'411	-5	...	...	...	58'887	-56'131	0.70	...	...
...	33'534	+17'385	-5	...	...	...	44'117	+36'153	-5	m	...	...	...	58'986	+3'420	-5	e	...
...	34'003	-18'853	-5	...	...	...	44'206	+49'310	-5	...	...	...	...	...	...	...	...	...
...	+34'21I	+33'988	-5	...	...	...	+44'32I	-38'748	-5	...	...	...	...	...	...	...	...	...
...	† 34'302	-44'790	-2	...	...	...	44'38I	-6'51I	0.65	...	...	...	...	...	...	...	...	...
...	* 34'33I	+52'928	1.20	42.6213	9.8	...	44'439	+11'657	0.85	...	...	...	...	...	...	...	...	...
...	34'429	-19'098	-3	...	...	...	44'905	-30'482	-3	...	...	...	...	...	...	...	...	...
...	34'835	+22'078	-5	...	...	...	45'219	-11'697	-4	...	...	...	...	...	...	...	...	...
46I	+34'847	+37'755	-4	...	...	52I	+45'29I	-44'963	-5	...	...	...	...	...	...	...	...	...
...	34'998	+11'017	-5	...	...	...	45'470	-2'724	0.70	...	...	...	...	...	...	...	...	...
...	35'019	+6'036	-1	...	...	...	45'605	+51'177	-5	...	...	...	...	...	...	...	...	...
...	35'088	-42'392	-5	...	...	...	45'757	-18'204	-4	...	...	...	...	...	...	...	...	...
...	35'202	-43'170	-1	...	...	...	45'89I	-25'740	-5	...	...	...	...	...	...	...	...	...
...	+35'392	-45'805	-4	...	...	...	+45'904	+52'667	-5	...	...	...	...	...	...	...	...	...
...	35'676	-39'184	-5	...	...	...	46'057	+27'919	0.70	...	...	...	...	...	...	...	...	...
...	35'706	+7'750	0.70	...	...	...	* 46'163	+20'533	1.00	43.6105	9.7	...	...	...	...	...	...	...
...	36'118	-4'464	0.65	...	...	...	46'293	+7'622	-5	...	...	...	...	...	...	...	...	...
...	36'176	-35'132	-5	...	...	...	46'564	+23'938	-5	...	...	...	...	...	...	...	...	...
47I	+36'181	-59'002	-5	...	...	53I	+46'744	+36'965	-1	...	...	...	...	...	...	...	...	...
...	36'424	-12'300	-5	...	...	...	47'570	-17'138	-5	...	...	...	...	...	...	...	...	...
...	36'43I	-37'34I	-5	...	...	...	47'620	-58'705	-5	...	...	...	...	...	...	...	...	...
...	36'495	-53'302	-5	m	...	...	47'946	+10'114	0.65	...	...	...	...	...	...	...	...	...
...	36'682	-11'902	-5	m	...	...	48'412	+31'572	0.75	...	...	...	...	...	...	...	...	...
...	+36'864	-5'566	0.70	...	...	...	+48'928	-58'826	-5	...	...	...	...	...	...	...	...	...
...	37'093	+29'106	-5	...	...	...	49'254	+27'182	-5	e	...	...	...	...	...	...	...	...
...	* 37'131	-11'080	1.40	44.6310	9.0	...	49'267	-23'860	-2	...	...	...	...	...	...	...	...	...
...	37'62I	-18'19I	-4	...	...	...	* 49'403	+34'006	1.25	43.6106	9.0	...	...	...	...	...	...	...
...	37'642	-6'908	-5	m	...	...	49'870	+38'458	-5	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	-59.558	+33.848	2.00	43.6106	9.0	61	-45.224	-6.970	-5	...	...	121	-36.305	-23.339	1.00	...	...
...	59.499	+27.038	-5	E	...	...	45.181	-5.231	1.15	43.6115	9.7	...	36.168	+23.983	-5	...	...
...	59.225	+38.309	-5	...	...	...	44.645	+15.619	-5	...	...	...	35.257	+0.591	0.90	...	...
...	58.422	+8.148	-5	M	...	...	44.614	+12.642	-1	...	...	...	35.245	-53.280	2.30	44.6321	8.5
...	58.389	+21.606	-5	...	...	...	43.982	-26.050	-5	M	...	...	35.087	+15.659	1.35	43.6121	9.4
...	-58.139	+0.185	-3	F	...	...	-43.917	-56.283	-5	M	...	...	-34.739	+26.227	1.15	43.6122	10.0
...	58.079	+9.649	-5	...	...	...	43.912	+53.901	-5	M	...	...	34.698	-6.703	-5	M	...
...	57.948	+18.004	1.00	43.6107	10.2	...	43.826	-9.337	-5	M	...	...	34.558	-30.524	-2	...	...
...	57.916	-23.999	-2	...	...	...	43.464	+26.814	1.20	43.6116	9.9	...	34.382	-50.975	-2	...	...
...	57.414	-13.825	0.75	...	...	...	43.413	-23.941	1.50	44.6314	9.1	...	34.350	-38.593	-5	M	...
II	...	...	...	...	...	71	-43.227	+37.456	-2	...	...	131	-34.302	+6.499	-4	A	...
...	-57.192	-58.968	-5	...	...	...	42.960	+4.347	-5	M	...	...	34.086	+55.837	1.10	42.6239	10.3
...	56.738	+3.524	-5	...	...	...	42.710	+19.790	1.30	43.6117	9.2	...	33.987	-42.747	0.65	...	...
...	55.938	+21.125	-5	M	...	...	42.654	+21.727	-5	...	...	...	33.967	-33.214	-3	...	...
...	55.638	-15.681	-4	...	...	...	42.646	+38.433	-5	M	...	...	33.735	+8.577	1.60	43.6123	9.4
...	55.543	+51.688	-5	...	...	...	-42.490	-7.338	-5	M	...	...	-33.662	-25.165	-1	...	...
...	-55.483	-8.858	-5	E	...	...	42.487	+46.065	-5	M	...	...	33.639	+58.570	-5	...	...
...	55.429	+51.699	-4	...	...	...	42.443	+59.152	1.30	42.6232	9.6	...	33.438	+49.859	1.00	...	...
...	54.885	+44.346	0.90	...	...	...	42.323	-15.223	1.00	44.6316	10.2	...	33.100	-43.987	1.40	44.6322	9.8
...	54.686	-19.795	-5	...	...	...	42.303	-19.733	-4	...	...	...	32.869	-26.629	-2	...	...
...	54.685	+38.681	1.40	43.6108	9.4	81	...	...	...	...	...	141	-32.324	-24.309	-4	...	...
...	...	...	...	...	...	...	-41.570	+18.044	1.60	43.6118	9.4	...	32.308	+2.331	0.90	...	...
...	-54.527	+17.961	-5	...	...	...	41.528	-0.153	0.70	α	...	...	32.307	+32.957	1.80	43.6124	9.4
...	54.056	-9.769	-4	...	...	...	41.350	-11.253	-2	...	...	...	32.181	+24.590	-5	...	...
...	53.664	+55.792	2.10	42.6225	9.0	...	41.175	+14.397	1.00	...	...	...	31.961	+59.087	1.35	42.6242	9.8
...	53.588	-33.196	-3	...	...	...	41.135	-7.113	-5	A	...	...	-31.898	-55.524	-5	...	...
...	53.443	-24.026	-5	M	...	...	-40.962	-20.526	-4	...	...	...	31.364	+12.888	-4	...	...
...	-53.265	-44.168	-5	E	...	...	40.937	-22.145	-5	...	...	...	31.198	+58.929	-5	M	...
...	52.889	-28.706	-5	...	...	...	40.692	-29.083	1.10	44.6317	10.1	...	30.973	-18.014	-4	...	...
...	52.815	+52.466	-5	...	...	...	40.608	-12.341	1.00	44.6319	10.2	...	30.877	-12.332	-3	...	...
...	52.768	-26.376	1.60	44.6311	9.1	...	40.558	-32.159	1.40	44.6318	9.2	...	...	...	...	...	...
...	52.639	+31.390	1.00	43.6109	10.2	91	...	...	...	...	...	151	-30.689	-34.510	-3	...	...
...	...	...	...	...	...	...	-40.529	-31.432	-4	...	...	...	30.615	+41.998	2.00	43.6125	8.9
...	-51.718	+26.192	1.00	43.6110	10.2	...	40.276	-9.075	-2	...	...	...	30.430	+52.119	1.00	...	...
...	51.675	+42.381	1.10	43.6111	10.1	...	40.256	+8.711	-5	...	...	...	30.088	-5.264	0.90	43.6126	10.0
...	51.467	+19.150	0.80	...	...	...	39.956	+31.842	-5	M	...	...	29.537	-13.832	-5	M	...
...	51.237	+22.284	1.10	43.6112	10.1	...	39.793	-47.974	-3	...	...	...	-29.534	+35.429	-5	...	...
...	50.992	-46.230	-4	...	...	...	-39.775	-53.235	-4	...	...	...	29.472	+26.029	-5	M	...
...	-50.838	+3.058	-5	M	...	...	39.733	+21.644	-5	M	...	...	29.401	-28.362	0.90	...	...
...	50.800	+37.595	-5	...	...	...	39.691	-10.839	-5	M	...	...	28.770	-21.805	0.90	...	...
...	50.774	+25.847	1.10	43.6113	10.0	...	39.347	-11.246	-4	...	...	...	28.698	+18.886	0.80	...	...
...	50.657	-36.755	-5	E	...	...	39.179	-38.380	-3	...	...	...	...	...	...	...	...
...	50.576	-27.427	-4	...	...	101	...	...	...	...	...	161	-28.693	-3.837	-3	...	...
...	...	...	...	...	...	...	-38.933	+34.541	0.90	...	...	...	28.401	+44.816	-4	...	...
...	-50.064	+23.537	0.90	...	...	...	38.861	-2.148	1.05	43.6119	10.1	...	28.325	-53.423	1.00	44.6323	10.1
...	50.016	-50.923	0.75	...	...	...	38.692	+16.573	-5	M	...	...	28.147	+2.315	1.40	43.6127	9.4
...	49.244	+31.889	-2	...	...	...	38.621	-35.298	-3	...	...	...	28.094	-10.091	0.90	...	...
...	49.164	-42.446	-4	...	...	...	38.493	-47.751	-5	M	...	...	-27.661	-44.704	-5	...	...
...	49.032	+3.586	-2	E	...	...	-38.352	+38.943	-3	...	...	...	27.426	-44.004	-5	...	...
...	-48.984	-47.062	-4	...	...	...	38.208	+30.734	-5	...	...	...	27.308	-58.311	-5	...	...
...	48.895	+16.986	-5	M	...	...	38.176	+7.745	1.00	43.6120	10.2	...	27.246	+39.298	-5	M	...
...	48.466	+11.340	-5	M	...	...	38.090	-11.120	-4	...	...	...	27.148	-15.764	-5	M	...
...	48.116	+53.121	5.00	42.6229	6.8	...	38.033	-50.238	-3	...	...	...	...	...	...	...	...
...	47.538	+21.553	-5	...	...	111	...	...	...	...	...	171	-27.146	+5.801	-4	A	...
...	...	...	...	...	...	...	-37.919	-13.291	1.20	44.6320	9.7	...	27.103	-58.295	-5	...	...
...	-47.315	-55.950	0.90	...	...	...	37.821	+27.926	-5	...	...	...	27.037	-15.686	-4	...	...
...	46.145	+3.865	-5	M	...	...	37.806	-46.923	0.85	...	...	...	26.926	-29.869	1.00	...	...
...	45.990	-27.974	-5	...	...	...	37.661	-59.389	-5	...	...	...	26.754	-52.047	-5	...	...
...	45.951	-16.903	-5	...	...	...	37.250	+38.245	-5	M	...	...	-26.574	-44.625	-5	...	...
...	45.903	-16.057	-5	...	...	...	-36.957	+29.444	-5	M	...	...	26.369	-13.629	1.20	44.6324	9.4
...	-45.797	+25.953	-3	...	...	...	36.954	-31.505	-5	...	...	...	26.333	+29.780	-5	...	...
...	45.693	-9.029	0.70	...	...	...	36.927	-4.586	-4	M	...	...	25.440	-31.413	1.40	44.6325	9.4
...	45.581	+0.072	1.20	43.6114	9.7	...	36.862	+51.961	-5	...	...	...	24.870	-20.819	-5	...	...
...	45.572	-31.576	-5	...	...	...	36.449	-16.034	-5	...	...	...	...	...	...	...	...
...	45.295	+17.213	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...

S measured from 1,154, 306, 481.
 SB " " 63, 237, 387.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
18i	-24°521	+24°433	-5	M	...	241	-14°163	+59°201	-5	...	...	301	-0°853	-44°639	1·05	44·6343	10·0
...	24°406	+45°363	-5	M	...	...	13°887	+29°016	-3	...	...	...	0°733	-3°886	-5	M m	...
...	24°314	+26°706	-5	M	...	...	13°717	-26°671	-3	...	...	...	0°616	+24°233	-2	...	...
*	23°639	-32°712	1·20	44·6327	9·6	...	13°332	+55°841	-4	A	...	...	0°600	-20°268	-5	M m	...
...	23°274	+17°821	-5	M	...	...	12°507	-22°882	-5	...	...	*	-0°584	-19°543	1·35	44·6344	9·1
S *	-23°223	-57°233	2·60	44·6328	8·0	...	-12°386	+2°755	-5	M	...	...	+0°172	+47°711	-5	M	...
...	23°199	+21°203	-5	...	...	...	11°585	-1°489	-4	...	...	...	0°844	-40°810	1·20	44·6345	9·6
...	23°074	-33°692	0·90	...	...	...	11°413	+7°335	1·30	43·6130	9·4	*	0·931	-7°979	1·30	44·6346	9·4
...	23°027	+15°385	-5	M	...	...	11°166	-31°411	-5	M	...	...	0·969	+26°999	-3	...	...
*	22°888	-40°587	1·40	44·6329	9·3	*	11°012	+54°184	1·15	42·6248	9·8	...	1·287	-29°271	0·65	...	...
19i	-22°719	-30°110	1·35	44·6330	9·4	251	-10°955	-52°374	-5	...	...	311	+1°780	-11°113	1·30	44·6347	9·4
...	22°688	-1°180	0·90	...	...	...	10°086	-30°252	-5	...	...	S *	1·789	+38°609	2·70	43·6137	8·1
...	21°643	+40°328	-4	...	...	...	10°061	+14°370	-4	...	...	...	1·884	-51°162	-5	m	...
†	21°316	-15°027	-3	...	...	...	9°827	-4°323	-5	M	...	...	2·163	-29°811	0·65	m	...
...	21°222	-5°673	-5	M	...	...	9°514	-52°101	-5	...	...	...	2·359	-40°295	-4	...	...
...	-21°176	-5°248	-5	...	...	*	-9°459	+24°362	1·00	43·6132	10·2	*	+2°415	+3°041	1·25	43·6138	9·6
...	21°153	+35°781	-5	M	...	*	9°386	+0°626	1·80	43·6131	9·0	*	2·639	+18°452	1·20	43·6139	9·6
*	21°134	+24°436	1·00	43·6128	10·1	...	9°332	+23°824	0·90	...	...	...	2·705	-43°627	1·00	44·6348	10·2
...	21°110	-1°446	-4	M	...	*	9°308	+35°964	2·30	43·6133	8·5	...	2·751	-42°930	-1	...	...
...	20°604	-14°755	-5	...	...	...	8°990	-44°132	-5	...	...	...	2·932	-52°333	-5	m	...
20i	-20°535	+55°252	-5	M	...	261	-8°768	+0°427	-5	M	...	321	+2°947	+3°698	-4	M	...
...	20°461	+31°879	-5	...	...	...	8°638	+41°337	0·90	...	...	...	3·595	+0°262	-5	M m	...
†	20°277	+6°781	-5	...	...	...	8°597	-23°401	-4	...	...	...	3·705	+46°902	-2	...	...
...	19°644	-18°015	-5	M	...	...	8°250	-43°884	-4	...	...	...	3·757	-36°997	0·80	...	...
*	19°567	-56°894	1·05	44·6332	10·1	...	8°142	-41°009	-3	...	...	...	4·110	-46°601	-2	...	...
...	-19°402	-14°151	-5	...	...	*	-7°710	+36°476	1·15	43·6134	9·7	...	+4°191	-16°758	-5	M m	...
*	19°398	-42°918	2·00	44·6333	8·9	...	7°457	-11°957	-5	M	...	...	4·280	+27°366	0·90	...	...
...	19°175	-44°215	-5	...	...	...	7°137	+37°255	-3	...	...	*	4·299	-0°357	1·15	43·6140	9·7
...	19°094	+47°272	-4	...	...	...	6°931	+28°886	-5	M	...	...	4·304	-27°356	-5	M m	...
...	18°803	-55°296	-5	...	...	...	6°760	+18°485	0·85	...	...	...	4·445	-37°432	-5	M m	...
21i	-18°524	-2°749	-5	M	...	271	-6°662	+2°734	-5	M	...	331	+4°506	+1°098	-2	M	...
...	18°470	+1°269	-1	...	...	...	6°659	+42°418	-5	...	...	...	4·533	+53°050	-1	...	...
...	18°454	-35°722	0·90	...	...	...	6°591	-35°888	-5	M	...	†	4·643	-28°158	1·15	44·6349	9·6
...	17°900	+12°745	-5	M	...	...	6°509	-47°780	1·10	44·6340	9·9	...	5·070	+26°344	0·75	...	...
...	17°809	-15°608	-2	...	...	...	6°393	+47°518	-5	M	...	...	5·260	-33°947	-3	m	...
...	-17°608	-44°492	-2	...	...	*	-5°954	-29°688	1·20	44·6341	9·4	...	+5°306	-34°216	0·80	...	...
...	17°484	+4°047	-2	...	...	...	5°844	-45°482	-5	m	...	...	5·341	-33°932	-3	m	...
*	17°473	+23°662	1·30	43·6129	9·6	...	5°840	-39°647	-5	M m	...	...	5·451	+13°351	-2	...	...
...	17°470	+8°220	-4	M	...	...	5°607	-12°598	-5	M m	...	...	5·681	-48°303	-4	m	...
...	17°405	-52°495	-2	...	...	...	5°068	-29°018	-5	m	...	...	5·853	-36°618	-5	M m	...
22i	-17°232	-45°866	-2	...	...	281	-4°875	+37°442	1·00	...	...	341	+5°892	+46°404	-5	m	...
...	17°027	-14°424	-2	...	...	*	4°795	-6°179	1·00	43·6135	10·1	...	6·252	-30°496	-3	m	...
...	16°905	+52°171	-2	...	...	...	4°200	+17°326	0·90	...	...	...	6·383	-25°721	-5	m	...
...	16°597	-27°695	0·90	...	...	...	3°981	+13°365	1·00	...	...	...	6·577	+32°825	-5	...	...
...	16°486	-36°596	-5	...	...	...	3°762	+41°216	-5	M m	...	...	6·617	-45°161	-5	m	...
*	-16°224	-30°209	1·25	44·6335	9·8	...	-3°718	+21°927	-5	M m	...	*	+6°783	+24°347	1·40	43·6141	9·6
...	16°092	-31°090	-5	...	...	*	3°457	+58°409	1·15	42·6251	10·0	...	6·885	+50°856	0·85	...	...
...	15°946	+20°907	-5	M	...	...	3°095	-52°318	-1	...	...	...	7·133	+27°037	-4	...	...
...	15°806	-49°762	-3	...	...	...	3°086	-25°457	-5	m	...	...	7·244	-14°129	-5	m	...
...	15°805	-37°457	-5	...	...	...	3°067	-46°754	0·80	...	...	...	7·547	+27°568	-5	...	...
23i	-15°735	+15°209	-5	...	...	291	-2°941	-18°590	1·65	44·6342	9·1	351	+7°949	+33°319	-5	m	...
...	15°692	-27°207	-5	...	...	S *	2°880	+1°243	-5	M m	...	...	8°042	+55°793	-5	...	...
...	15°591	+19°262	-5	M	...	...	2°671	+18°949	-5	M m	...	*	9°264	+39°377	1·30	43·6142	9·7
...	15°407	+26°590	-2	...	...	...	2°192	+18°489	-4	...	...	*	9°280	+58°531	2·30	42·6263	8·8
...	15°403	+4°562	-1	...	...	...	1°742	+39°286	-4	...	...	...	9°349	+43°578	0·90	...	...
...	-15°376	-51°060	0·90	44·6336	10·2	*	-1°544	+48°344	1·40	43·6136	9·4	...	+9°519	-15°284	-1	...	...
*	14°806	-0°226	1·00	α	...	...	1°536	+14°016	-2	...	...	...	9°829	+34°062	-5	m	...
*	14°673	-9°756	1·00	44·6338	10·2	...	1°428	-12°801	-5	M m	...	...	9°852	+34°453	-4	...	...
N *	14°659	-57°210	1·20	44·6337	9·9	...	1°296	+57°943	-5	...	...	...	10°025	+0°812	-5	m	...
...	14°314	+37°659	-5	M	...	*	1°078	-30°344	1·00	...	...	...	10°148	+46°941	-4	...	...

239. Mass. 45°·80, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
361-420						421-480						481-540						
361	+10.505	+9.451	1.40	43.6143	9.4	421	+21.635	+24.221	5	...	...	481	+29.724	+8.611	5	m	...	
...	10.632	+23.440	0.80	...	...	...	21.684	+34.722	5	...	...	...	30.341	+41.103	5	...	...
...	10.694	+11.253	-1	...	...	...	22.115	+5.399	5	m	...	...	* 30.363	+32.956	1.60	43.6155	9.0	
...	* 10.794	-32.205	1.10	44.6351	9.8	...	22.352	-14.859	1.00	44.6354	9.9	...	...	30.617	+23.944	5	...	...
...	10.827	-58.440	0.90	...	...	...	22.585	-12.730	5	m	...	...	...	31.232	-11.405	-1	...	...
...	+10.900	-28.169	-3	...	...	...	+22.671	-24.748	1.50	44.6355	9.4	...	...	+31.447	+41.367	0.80	...	...
...	11.230	+23.448	-5	...	...	...	22.700	+26.478	1.15	43.6147	10.0	...	...	* 31.862	-10.063	1.10	44.6363	9.8
...	* 11.475	+54.680	1.00	...	...	...	22.883	+20.571	-4	...	...	...	...	31.929	-35.555	-5	...	...
...	11.720	-57.212	-5	...	...	...	22.962	-55.392	1.35	44.6357	9.6	...	...	32.007	-38.595	-5	m	...
...	12.092	-12.006	0.80	...	...	...	23.027	-38.352	0.85	...	...	...	...	* 32.303	+37.360	1.30	43.6156	9.6
371	+12.117	+40.598	-1	...	...	431	+23.113	-33.079	2.60	44.6356	8.2	491	+32.511	+0.767	1.60	43.6157	9.2	
...	* 12.208	+50.080	1.05	43.6144	10.2	...	23.181	-30.369	-5	m	...	...	* 32.542	-34.484	-5	...	...
...	12.280	+14.139	-5	m	...	...	23.250	+6.649	-5	...	...	...	* 33.163	+46.729	2.20	43.6158	8.7	
...	12.565	+38.084	-5	...	...	...	23.448	+40.461	1.00	...	...	...	...	33.524	+24.578	-5	...	...
...	13.080	-38.217	-4	...	...	...	23.491	-26.322	1.30	44.6358	9.4	...	...	33.529	-4.792	-5	m	...
...	+13.105	+5.559	0.90	...	...	...	+23.795	+8.844	0.70	...	...	...	* 33.651	-4.657	1.00	43.6159	10.1	
...	* 13.470	-19.571	1.10	44.6352	10.0	...	24.027	+13.674	1.00	43.6148	10.2	...	...	33.910	-34.665	-5	m	...
...	13.477	+7.160	-5	m	...	...	24.134	+44.955	2.50	43.6149	7.9	...	...	33.931	-23.120	0.75	...	...
...	13.534	-12.037	-5	m	...	...	24.225	-14.969	-4	...	...	...	...	34.227	+2.892	-5	m	...
...	13.736	-46.227	-5	...	...	...	24.542	-25.880	-4	...	...	...	...	34.429	-16.778	-5	m	...
381	+14.014	+50.049	-5	...	...	441	+24.749	+24.260	1.00	...	...	501	+34.491	-0.938	-2	a	...	
...	14.147	+7.947	-5	m	...	...	24.860	-52.559	-3	...	...	...	34.506	+19.945	-3	a	...	
...	14.409	-33.796	0.80	...	...	S*	25.089	-59.221	2.65	44.6359	8.2	...	34.661	+13.289	0.90	43.6160	9.9	
...	† 14.592	+59.282	-5	...	...	...	25.126	-15.585	0.80	...	...	...	34.835	-2.862	-4	m	...	
...	† 14.618	+39.452	-4	...	...	...	25.196	+56.479	0.90	...	...	...	35.349	-33.260	0.90	...	...
...	† 14.700	-33.063	1.05	44.6353	9.7	...	* 25.364	-23.498	1.30	44.6360	9.6	...	...	+35.642	-11.106	-5	m	...
...	14.912	+22.381	-5	...	...	...	25.513	+56.889	1.10	...	...	...	...	35.727	+3.287	0.90	43.6161	10.2
...	* 14.941	+27.819	1.00	43.6145	10.2	...	25.572	-22.426	-5	m	...	...	...	35.763	+42.882	-5	...	...
...	15.260	-4.062	-5	m	...	...	25.769	-43.294	1.05	...	...	...	...	36.024	+56.040	-5	...	...
...	15.445	+12.870	0.70	...	...	...	25.957	-51.492	-3	...	...	...	...	* 36.088	+16.863	1.40	43.6162	9.4
391	+15.633	+20.699	-5	...	...	451	+26.066	+11.765	-5	...	...	511	+36.137	+47.826	-4	...	...
...	15.758	+41.630	-5	...	...	...	26.522	+14.235	1.60	43.6151	9.0	...	36.196	+1.234	-4	m	...	
...	16.166	+51.789	-5	...	...	S*	26.528	+21.077	1.75	43.6150	9.0	...	36.213	-7.672	-4	m	...	
...	16.258	+36.436	-5	...	...	...	26.661	+52.041	-5	...	...	...	36.528	-14.267	0.90	...	...
...	16.436	-25.012	-5	m	...	...	26.670	+7.910	-2	...	...	...	* 36.651	-23.994	1.15	44.6365	9.6	
...	+17.174	+44.338	-3	...	...	...	+26.687	+19.271	0.95	...	...	...	...	+36.769	+52.407	-5	...	...
...	17.283	+30.167	0.90	...	...	...	26.736	-49.491	-4	...	...	...	...	36.887	-32.311	-5	m	...
...	17.547	-10.889	-5	m	...	...	26.857	-26.875	-5	m	...	...	...	37.066	+36.631	-5	...	...
...	17.580	+40.066	-3	...	...	...	26.973	-16.023	-2	...	...	...	...	37.181	+46.144	0.90	...	...
...	17.766	-13.646	-5	m	...	...	26.999	-37.907	-5	...	...	...	...	37.783	+20.143	-3	...	...
401	+18.077	-17.875	-1	...	...	461	+27.072	-59.625	0.75	...	...	521	+37.824	+8.232	-5	m	...	
...	18.097	-18.015	-4	...	...	...	27.228	+29.299	1.10	43.6152	10.2	...	* 38.187	-21.458	1.40	44.6367	9.4	
...	18.134	-42.473	-1	...	...	...	27.277	+57.184	-5	...	...	...	38.390	-44.543	-5	...	...
...	18.155	+7.260	-5	...	...	...	27.384	+15.762	0.70	...	...	...	38.481	+1.127	0.80	...	...
...	18.380	+3.733	-5	...	...	...	27.648	-30.461	-4	...	...	...	* 38.736	-58.116	2.80	44.6368	8.4	
...	+18.556	+16.467	-5	...	...	...	+27.692	+18.933	-5	...	...	...	...	+38.757	+50.855	-5	...	...
...	19.055	-8.861	-5	m	...	...	27.785	-19.526	0.80	...	...	...	...	38.964	-7.487	-5	m	...
...	19.232	-59.195	0.90	...	...	...	27.788	-5.797	-5	m	...	...	...	39.383	-16.939	-4	m	...
...	19.842	-11.933	-4	m	...	...	27.892	-25.943	-5	m	...	...	...	39.416	-9.508	-5	m	...
...	20.026	+2.072	-5	m	...	...	* 27.949	-43.530	1.00	...	...	...	...	39.505	+45.294	-5	m	...
411	+20.080	-54.140	-5	m	...	471	+28.578	+39.871	0.65	43.6153	10.2	531	+39.707	+17.514	1.50	43.6163	9.0	
...	20.104	-1.349	-5	m	...	...	28.724	+47.930	-5	...	...	...	* 39.847	-20.646	2.60	44.6369	8.6	
...	20.248	-1.083	-5	m	...	...	28.734	+48.893	-3	...	...	...	39.913	+37.055	-5	...	...
...	20.348	+28.839	-4	...	...	...	* 28.793	+32.945	1.00	43.6154	10.0	...	39.918	+36.805	-5	...	...
...	20.389	-17.282	-5	m	...	...	28.892	+14.142	-5	...	...	...	39.954	+7.346	-5	...	...
...	+20.605	+50.255	-5	...	...	...	+29.132	+37.230	-1	...	...	...	...	+40.356	+4.028	-2	...	...
...	21.066	+3.168	0.95	...	...	...	29.301	-7.194	0.70	...	...	...	...	40.447	+14.879	-4	...	...
...	* 21.160	+3.989	1.10	43.6146	9.8	...	29.315	-37.296	-5	...	...	...	...	* 40.486	+19.710	1.05	43.6164	9.7
...	21.191	-17.251	-4	m	...	...	29.387	-17.956	0.75	...	...	...	...	40.649	-33.066	-5	...	...
...	21.219	+5.990	0.65	...	...	...	* 29.428	-54.546	1.15	44.6362	10.1	...	...	40.983	-58.648	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-570						571-600						601-627					
541	+41.087	+29.822	1.80	43.6165	9.0	571	+47.063	-49.797	0.65	...	...	601	+52.474	+39.343	-5	...	...
*	41.101	-16.838	2.00	44.6370	8.9	...	47.114	-21.907	-4	m	...	...	52.667	+27.783	-4	...	...
*	41.194	-9.487	1.00	44.6371	10.0	...	47.349	-9.269	-4	m	...	*	52.958	-52.221	1.35	44.6380	9.6
...	42.077	+14.147	0.90	...	...	*	47.688	+34.344	1.00	43.6167	10.2	...	53.254	-50.057	-4	...	...
...	42.078	-31.144	-5	m	...	...	47.773	-3.411	-5	m	...	*	53.497	-1.109	1.00	43.6174	10.2
...	+42.189	-15.284	0.90	44.6372	10.2	...	+47.870	+26.081	-3	...	...	*	+53.573	-52.125	2.20	44.6381	9.0
...	43.283	+28.626	-5	...	...	...	48.274	+57.820	-3	...	...	...	53.719	+33.808	-5	...	...
†	43.655	-9.887	-5	m	...	S*	48.312	-5.915	1.65	43.6169	9.1	...	53.943	+21.767	-2	...	...
...	44.060	+41.409	-5	m	...	*	48.317	+38.181	2.30	43.6168	8.6	†	54.122	+54.840	-1	...	...
...	44.147	+5.144	0.75	...	...	*	48.664	-3.352	1.30	43.6172	9.4	...	54.336	-26.792	-4	e	...
551	+44.212	+25.230	-5	m	...	581	+48.767	-15.994	0.75	...	...	611	+54.477	+47.869	2.85	43.6175	8.4
†	44.497	+40.865	-5	...	...	*	48.943	+40.543	1.10	43.6170	9.6	S†	54.502	-41.919	-5	...	...
†	44.509	+53.608	-5	...	...	...	49.011	-40.770	-5	...	...	...	54.668	+22.414	0.90	...	...
†	44.664	-11.984	2.60	44.6373	8.2	*	49.130	+42.998	1.00	43.6171	10.2	...	54.716	-24.717	-3	...	...
...	44.888	-43.070	-5	m	...	...	49.305	+12.872	-4	e	...	...	56.032	+52.739	-5	...	...
...	+44.893	+57.711	-4	...	...	...	+49.324	-44.983	-4	...	...	...	+56.081	-6.341	-4	e	...
...	45.358	-45.754	-5	m	...	*	49.363	-16.699	1.10	44.6376	10.0	*	56.368	+19.720	1.05	43.6176	10.2
...	45.904	-41.703	-5	...	...	†	49.748	-39.771	1.35	44.6377	9.6	†	56.453	+9.962	-5	...	...
...	45.952	-41.756	-5	...	...	...	49.982	+23.168	0.65	...	...	...	56.742	+3.533	-4	...	...
...	46.094	+5.884	-5	m	...	...	50.528	+9.698	-5	e	...	...	57.363	+19.310	-5	...	...
561	+46.300	-38.687	1.00	...	...	591	+50.648	+57.051	-5	...	...	621	+57.737	+11.933	1.30	43.6177	9.6
...	46.308	-14.115	-3	...	...	...	50.879	+23.233	-1	...	...	...	57.765	+5.770	0.75	...	...
...	46.538	-11.129	-5	m	...	*	51.091	-13.081	1.30	44.6378	9.6	...	58.029	+27.287	-5	...	...
...	46.586	+57.183	-4	...	...	...	51.222	+33.232	-4	...	...	...	58.148	+4.203	-1	...	...
*	46.718	+45.859	1.00	43.6166	10.2	...	51.505	-13.975	-3	e	...	*	58.187	-25.341	1.00	44.6384	10.2
...	+46.741	+5.942	-5	...	...	*	+51.537	+46.721	1.20	43.6173	9.8	...	+58.833	+20.766	0.75	...	...
*	46.945	-47.575	1.15	44.6374	9.4	...	51.637	-5.120	-4	m	...	...	59.042	+14.511	-5	...	...
*	47.008	-36.187	1.00	...	...	S*	51.668	-34.611	2.40	44.6379	8.8	...	...	...	...	...	...
*	47.011	-48.951	1.15	44.6375	9.6	...	51.773	-6.988	-1	e	...	...	...	...	...	...	...
...	47.052	+39.331	-5	...	...	...	52.386	-20.050	-3	...	...	...	...	...	...	...	...

1-20						21-40						41-60					
I	-59.560	+59.744	-5	...	...	21	-56.954	-39.891	1.10	44.6377	9.6	41	-52.459	-24.664	-3	...	...
*	59.536	-47.767	1.20	44.6374	9.4	*	56.669	+39.299	-5	...	...	...	52.164	-41.885	-5	...	...
S*	59.435	-49.137	1.05	44.6375	9.6	*	56.433	-13.152	1.10	44.6378	9.6	*	52.162	+19.789	1.00	43.6176	10.2
...	59.420	-6.091	1.20	43.6169	9.1	...	56.118	+27.734	-4	...	...	...	51.787	+10.033	-5	...	...
*	59.363	-49.998	0.65	...	...	...	56.010	-14.054	-3	E	...	...	51.660	-6.272	-3	E	...
...	-59.151	-3.516	1.20	43.6172	9.4	...	-55.941	-7.063	-1	E	...	...	-51.304	+3.616	-4	...	...
...	59.031	+12.725	-4	E	...	...	55.471	+54.852	-3	...	...	...	51.144	+19.399	-5	...	...
...	58.671	-16.142	0.75	...	...	...	55.244	+33.793	-4	...	...	...	50.732	+27.406	-3	...	...
...	58.661	+23.035	0.65	...	...	S†	55.197	-34.668	1.33	44.6379	8.8	*	50.542	+12.041	1.10	43.6177	9.6
...	58.200	+9.885	-5	M	...	...	54.932	-20.070	-4	...	...	...	50.350	+5.886	0.65	...	...
11	-58.111	+6.289	-5	M	...	31	-54.894	+47.874	2.50	43.6175	8.4	51	-49.958	+51.955	-5	...	...
*	58.064	-16.825	1.00	44.6376	10.0	S†	54.645	+21.763	-2	...	...	...	49.903	+4.338	-2	...	...
*	57.812	+46.639	1.00	43.6173	9.8	*	54.397	-1.128	1.00	43.6174	10.2	...	49.892	-51.783	-5	...	...
...	57.775	-29.487	-5	M	...	...	54.172	+1.506	-5	...	...	...	49.725	+20.898	-4	...	...
...	57.767	+23.134	-1	...	...	...	53.953	+22.422	0.90	...	...	...	49.340	+14.663	-4	...	...
...	-57.721	+33.144	-3	...	...	...	-53.503	+52.785	-5	...	...	...	-49.121	+37.980	-5	...	...
...	57.684	+9.597	-4	E	...	*	53.381	-52.230	1.20	44.6380	9.6	...	49.101	+36.403	0.70	...	...
...	57.674	-40.899	-5	...	...	...	53.156	-50.052	-3	...	...	...	48.985	-25.201	1.00	44.6384	10.2
...	57.231	-45.103	-5	...	...	...	52.783	-26.767	-4	E	...	*	48.612	+34.361	1.00	43.6178	10.0
...	56.988	-5.123	-5	M	...	*	52.770	-52.102	1.80	44.6381	9.0	...	48.491	+28.973	-2	...	...

SB measured from 1, 143, 344, 568.
 ES " " 113, 277, 491, 707.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
61-120						121-180						181-240						
61	-48'298	+47'509	-3	...	...	121	-38'036	-4'738	-5	M	...	181	-29'198	+48'648	1'10	43.6197	9'7
...	47'921	-16'896	-5	M	...	...	37'768	-7'840	-2	B	...	...	28'891	+52'747	-5	M	...
...	47'792	+50'273	-5	...	...	...	37'614	-52'150	-1	...	...	...	28'803	-53'835	-5	...	...
*	47'694	+22'633	1'00	43.6179	10'2	*	37'604	+14'871	1'00	43.6190	9'8	28'442	+48'730	-5
...	47'631	-29'570	-5	M	37'215	+3'392	0'75	28'381	-14'926	-3
...	-47'081	+31'257	0'80	-37'145	-7'133	-4	M	-28'361	+5'621	-4
...	46'696	+11'576	-5	36'995	+20'689	-5	M	28'285	-46'071	-5	M	...
...	46'686	+27'017	-2	36'906	+9'308	-5	M	27'978	-39'860	-2
...	46'501	+26'836	0'75	*	36'857	+52'770	1'20	42.6298	10'0	27'765	+9'474	-5	M	...
...	46'041	-55'480	0'65	36'737	-23'012	-3	27'764	-39'725	0'85	44.6398	10'2
71	-46'034	+27'220	0'80	43.6180	10'2	131	-36'688	-6'126	-5	M	...	191	-27'288	-58'297	1'25	44.6400	9'6	
...	45'914	-16'482	-3	...	...	...	36'511	+30'856	-5	M	...	...	27'100	-50'776	-5	M	...
...	45'705	-13'045	-4	...	...	*	36'323	+1'571	1'20	43.6191	9'1	*	26'828	-33'448	1'00	44.6401	10'0
...	45'680	+4'315	-5	...	...	...	36'312	-16'290	-1	...	...	...	26'807	-42'771	-5	M	...
...	45'316	-11'775	-4	M	...	...	36'109	-8'468	0'70	...	...	...	26'805	-42'540	0'80	...	...
*	-45'001	-5'455	1'00	43.6181	10'0	...	-35'991	+38'281	0'75	...	...	...	-26'802	-1'782	-1	B	...
*	44'921	+29'446	1'90	43.6182	8'5	S*	35'628	+24'015	0'70	...	...	...	26'790	+11'707	0'70	...	...
...	44'881	+4'691	-5	M	...	...	35'535	+3'724	2'70	43.6192	7'5	...	26'788	-49'531	-5	M	...
...	44'875	+48'034	1'20	43.6183	9'8	...	35'326	-2'082	-5	M	...	...	26'677	+23'293	-1	...	...
...	44'856	-10'654	-5	M	...	...	35'091	+10'116	-5	M	...	...	26'614	+28'204	-4	...	...
81	-44'408	+4'325	-5	M	...	141	-35'006	+31'548	-5	M	...	201	-26'574	-43'036	-2	...	...
...	44'293	+14'418	-2	...	...	...	35'006	+25'977	-5	M	...	...	26'250	+44'668	0'90	...	...
...	44'215	-26'259	0'85	...	...	...	34'687	-46'854	0'65	...	...	...	26'086	-12'607	-5	M	...
...	44'024	-57'752	-3	...	...	*	34'607	-32'021	1'20	44.6389	9'0	*	26'020	+39'069	1'10	43.6198	9'6
...	43'666	-56'280	-5	...	...	...	34'391	+3'685	-4	...	...	*	25'897	-12'376	1'00	44.6403	9'9
*	-43'513	+26'142	1'00	43.6184	10'2	...	-34'368	+1'729	0'65	...	...	*	-25'883	-33'651	1'00	44.6402	9'6
...	43'173	-46'313	-5	M	...	...	34'335	+55'681	-5	...	...	...	25'429	-6'640	-5	M	...
...	42'796	+18'364	-5	...	...	*	33'894	+9'521	1'00	43.6193	10'2	*	25'389	-14'034	1'00	44.6404	10'0
...	42'777	+2'180	-5	M	...	...	33'558	-22'735	-5	M	...	...	25'377	-20'872	-3	...	...
...	42'678	-22'781	-5	M	...	...	33'209	+11'969	-5	M	...	...	25'135	+2'411	-4	...	...
91	-42'436	+42'310	-4	...	...	151	-33'156	-8'786	1'00	44.6391	9'8	211	-25'077	-10'519	-2	...	...
...	42'223	+15'522	-4	...	...	*	32'687	+24'405	1'50	43.6194	8'6	...	24'875	-45'872	0'65	...	...
...	42'221	+43'781	-5	...	...	...	32'657	-30'545	-5	M	...	...	24'525	+53'434	0'70	...	...
...	42'128	+21'558	-3	...	...	...	32'580	-19'549	0'95	44.6392	10'2	...	24'517	-58'196	0'85	...	...
...	42'072	-59'034	-5	M	...	...	32'548	-40'325	-5	M	...	...	24'471	-19'347	-5	M	...
...	-42'013	-42'032	-4	...	...	...	-32'489	+8'972	-5	M	...	...	-24'392	-28'474	-5	M	...
...	41'790	+6'738	0'95	...	...	...	32'403	-10'994	0'90	44.6393	10'2	...	24'189	+9'886	-5	M	...
...	41'608	-22'589	-5	M	...	...	32'385	+36'958	0'90	43.6195	10'1	...	24'150	-41'673	0'75	...	...
...	41'400	-1'037	-5	M	...	...	31'945	+55'112	-5	...	...	...	24'013	+7'919	-5	M	...
...	41'257	-25'051	0'95	...	...	...	31'755	+25'786	-2	...	...	...	23'961	+36'269	-5	...	...
101	-41'161	+23'198	0'65	...	...	161	-31'665	-9'730	-5	M	...	221	-23'793	-9'120	-1	...	...
...	41'082	-13'979	-5	M	...	*	31'400	-29'127	1'00	44.6394	9'7	*	23'724	+50'930	1'00	...	...
...	40'990	+0'150	-5	...	...	...	31'369	-56'099	-1	...	...	...	23'433	-23'957	-5	M	...
*	40'676	-57'624	1'15	44.6386	9'6	...	31'244	+2'608	-5	M	...	...	23'348	+1'161	-5	M	...
...	40'386	+22'723	0'95	43.6185	10'2	...	31'150	+39'104	0'65	...	...	...	23'244	-23'146	-1	...	...
...	-40'328	-23'514	-5	M	...	...	-31'065	-19'329	-5	M	...	...	-23'135	-56'412	-5	M	...
...	40'210	-25'762	5	M	...	*	31'022	-33'589	1'00	44.6396	10'2	...	23'090	-34'769	-5	M	...	
*	40'122	-56'711	1'40	44.6387	9'4	...	30'969	-18'093	-5	M	...	...	22'842	-51'845	-4	M	...
...	40'051	+44'400	0'95	43.6187	10'1	...	30'965	-4'929	-4	M	...	...	22'452	-0'125	0'85	x	...
*	40'040	+6'555	1'00	43.6186	9'7	...	30'955	-43'316	-4	...	...	...	22'358	-3'629	-1	A	...
111	-39'949	+5'314	-5	M	...	171	-30'796	-32'215	-5	M	...	231	-22'313	-6'557	-2	...	...
...	39'941	-15'852	-3	...	...	...	30'751	-0'300	-5	M	...	...	22'301	+8'556	-5	M	...
*	39'473	+28'034	2'00	43.6188	8'4	...	30'668	-15'263	-4	M	...	...	22'224	-44'031	-5	M	...
*	39'336	-29'394	0'90	...	...	*	30'517	+57'411	1'40	42.6303	9'2	*	22'222	-54'154	-5	M	...
...	39'049	+48'005	-5	...	...	...	30'504	-47'156	-5	M	...	...	22'219	-18'052	1'00	44.6405	9'9
...	-38'853	-34'033	-5	M	...	...	-30'233	+22'658	-5	M	...	...	-22'027	+28'122	0'80	...	...
*	38'762	-49'533	1'00	44.6388	10'0	*	30'127	+17'268	1'10	43.6196	9'6	*	21'709	-26'707	1'00	44.6406	9'9	
...	38'287	-23'356	-5	M	...	...	29'965	-11'929	-4	M	...	...	21'536	-32'982	-4	M	...
...	38'266	+8'915	-4	...	...	...	29'697	-51'718	-5	...	...	*	21'438	+28'944	1'00	43.6199	9'7
*	38'081	+43'920	1'20	43.6189	9'7	...	29'324	-16'564	-2	...	...	...	21'263	+24'419	-4	...	...

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
241-300						301-360						361-420								
241	-21·180	+ 9·185	- 3	...	...	301	-12·053	+ 0·925	- 5	M°	...	361	- 2·785	-19·754	0·70	...	...	...
...	21·102	-17·493	- 5	M	...	...	11·971	- 6·770	- 5	M	...	...	2·751	-38·874	- 3	...	...	...
*	20·703	-42·019	1·80	44.6407	8·7	...	11·888	+33·297	0·85	...	...	...	2·558	+44·217	- 4	M m	...	...
...	20·700	+49·621	- 5	...	...	...	11·775	-47·742	- 5	M	...	...	2·534	+15·133	- 5	M m	...	...
...	20·273	- 0·362	- 5	M	...	*	11·611	-46·703	0·90	...	...	...	2·458	-25·748	- 4	M m	...	...
...	-20·077	+ 4·477	- 1	...	...	...	-11·461	+44·156	0·75	...	...	...	- 2·397	-53·638	- 4	m	...	...
*	19·702	-54·742	1·00	44.6408	10·1	†	11·404	+25·212	0·80	43.6202	10·2	†	2·360	+10·231	- 5	M m	...	...
...	19·676	+ 5·378	0·90	...	...	...	11·390	-13·150	- 5	M	...	...	2·352	-49·819	0·80	...	...	...
...	19·442	+57·898	- 5	M	...	...	11·362	-58·444	0·90	44.6417	10·2	...	2·244	+21·302	- 4	m	...	...
...	19·422	-55·633	- 5	M	...	S †	11·145	+30·039	1·60	43.6203	8·8	...	2·181	-16·873	- 5	M m	...	...
251	-19·015	-24·573	1·10	44.6409	9·6	311	-11·017	+17·043	- 5	M	...	371	- 2·148	+ 3·325	- 5	M m	...	...
*	19·014	+22·276	- 3	...	...	...	10·962	+26·290	- 5	...	...	...	2·061	-56·990	- 5	M m	...	...
...	18·947	-29·370	- 4	M	...	*	10·958	-31·792	0·95	44.6418	10·2	...	1·898	+33·532	- 5	M m	...	...
...	18·832	+13·751	0·70	...	...	...	10·916	-48·484	0·90	...	...	...	1·878	-32·057	- 5	M m	...	...
*	18·618	-58·265	1·05	44.6410	10·1	...	10·819	-44·736	- 5	M	...	...	1·618	+22·569	- 5	M m	...	...
...	-18·617	+53·753	- 5	...	...	...	-10·754	-49·696	- 3	...	...	...	- 1·513	-52·951	- 3	b	...	...
...	18·573	- 1·157	0·70	A	...	*	10·211	+36·894	1·40	43.6204	8·9	...	1·446	-31·194	- 5	M m	...	...
...	18·568	- 4·818	- 2	...	...	*	10·194	+18·446	0·90	...	...	...	1·432	-52·925	0·95	44.6425	10·2	...
...	18·456	-16·217	- 4	M	...	...	10·161	-15·080	- 5	M	...	...	1·405	+49·319	- 4	...	...	...
...	18·393	+ 3·394	- 4	B	...	...	10·157	+27·733	- 5	M	...	...	1·331	-38·368	- 5	M m	...	...
261	-18·317	+11·324	- 5	M	...	321	-10·006	-30·200	- 2	...	...	381	- 1·214	-49·836	1·00	44.6426	10·1	...
...	17·866	+14·831	- 5	...	...	†	9·799	-30·719	- 5	M	...	...	1·135	+15·365	- 5	M m	...	...
...	17·863	-46·016	- 4	M	...	...	9·050	-19·295	- 4	M	...	...	1·044	-40·106	- 1	...	...	...
...	17·467	+26·822	- 5	M	...	...	8·722	+54·075	- 3	...	...	...	0·931	-17·501	- 5	M m	...	...
...	17·463	+36·881	- 2	...	...	*	8·642	+ 5·883	1·00	43.6205	10·1	...	0·897	-46·886	- 5	M m	...	...
...	-16·887	-11·742	- 5	M	...	...	- 8·348	-59·184	0·85	44.6419	10·2	...	- 0·892	+11·283	- 1	m	...	...
...	16·658	+44·844	- 5	...	...	...	8·140	+21·483	- 4	...	...	...	- 0·805	-39·931	0·95	44.6427	10·2	...
...	16·643	-47·988	- 4	...	...	...	8·059	-35·730	- 2	...	...	†	+ 0·146	-38·142	- 3	...	...	...
...	16·564	+ 6·395	- 5	M	...	...	7·970	-34·757	- 5	M	...	†	0·167	-27·484	- 5	M m	...	...
...	16·351	+ 5·134	- 3	...	...	*	7·889	+ 8·797	1·00	43.6206	10·0	...	0·217	-57·827	- 5	M m	...	...
271	-16·287	+50·955	0·65	...	...	331	- 7·674	+40·407	- 2	...	...	391	+ 0·223	+12·351	1·00	43.6210	10·0	...
...	16·193	+14·319	- 3	...	...	S *	7·480	-29·351	1·50	44.6420	8·6	...	0·554	-34·588	- 4	M m	...	...
...	15·740	-10·731	- 5	M	...	...	7·131	+47·863	0·90	43.6207	10·2	...	0·579	-27·375	- 5	M m	...	...
...	15·701	-56·141	- 5	M	...	...	7·028	- 3·632	- 2	B	...	...	0·867	-23·220	- 5	M m	...	...
...	15·074	-22·115	- 5	M	...	...	6·980	+34·330	- 5	...	...	...	1·042	+ 3·983	- 5	M m	...	...
†	-14·915	-26·530	- 5	M	...	...	- 6·816	-16·174	- 5	M	...	...	+ 1·059	-36·302	- 5	M m	...	...
...	14·790	+35·207	- 5	M	...	...	6·639	+44·606	- 5	M	...	...	1·122	-24·303	- 5	M m	...	...
...	14·757	+45·285	- 4	...	...	...	6·050	- 9·412	- 5	M m	...	...	1·141	-14·579	- 3	M m	...	...
...	14·750	+25·747	- 5	...	...	...	6·003	+13·473	- 3	...	...	...	1·196	-39·011	- 5	M m	...	...
...	14·661	-54·626	- 5	M	...	*	5·841	+ 6·118	1·10	43.6208	9·7	*	1·215	-15·016	1·20	44.6428	9·3	...		
281	-14·650	-39·364	- 5	M	...	341	- 5·678	- 7·571	- 5	M m	...	401	+ 1·399	-27·129	- 4	M m	...	...
...	14·391	-58·422	- 5	M	...	*	5·468	-55·978	1·10	44.6421	10·0	*	1·423	-43·589	1·10	44.6429	9·6	...		
*	14·270	-27·596	0·85	...	...	†	4·936	+51·667	0·80	43.6209	10·2	...	1·489	-49·066	- 5	M m	...	...
*	13·921	+28·131	0·90	43.6200	10·2	†	4·805	-48·987	- 5	M m	...	...	2·031	+21·828	0·70	...	...	...
...	13·873	+14·396	- 3	...	...	...	4·565	+16·662	- 3	...	...	...	2·122	- 8·229	- 4	M m	...	...
...	-13·789	+11·735	- 5	M	...	...	- 4·514	+ 9·634	0·75	...	...	*	+ 2·311	-49·410	1·10	44.6430	9·6	...
...	13·647	-13·148	- 3	M	...	*	4·461	-23·517	1·00	44.6423	10·1	...	3·122	+16·932	- 3	...	...	...
*	13·393	-48·218	1·05	44.6414	9·8	...	4·374	+ 6·435	- 5	M m	...	...	3·133	-53·964	- 4	m	...	...
...	13·328	+17·838	- 5	M	...	...	4·319	-38·213	- 3	M m	...	...	3·296	+43·468	- 5	...	...	...
...	13·167	+38·658	- 5	M	...	...	4·274	+33·993	- 5	M	...	...	3·363	+14·247	- 5	M m	...	...
291	-12·979	+ 4·600	0·90	...	...	351	- 4·140	- 7·447	0·65	M b	...	411	+ 3·407	+ 1·759	- 3	A m	...	...
...	12·764	-19·057	- 5	M	...	...	4·137	-49·523	- 5	M m	...	...	3·596	+ 1·639	- 5	M m	...	...
...	12·678	-42·062	- 5	M	...	...	4·128	-34·826	0·65	m	...	*	3·890	+30·604	1·05	43.6211	9·7	...
...	12·466	- 5·241	- 2	...	...	...	3·905	+17·617	- 5	M m	...	...	3·970	+ 8·649	0·65	m	...	...
...	12·401	-41·268	0·70	...	...	...	3·875	+37·823	- 4	...	...	†	4·126	+35·136	1·00	43.6212	10·2	...
...	-12·396	+40·863	- 2	...	...	...	- 3·807	-35·403	- 4	M m	...	...	+ 4·562	- 1·810	- 4	M m	...	...
...	12·388	+14·690	- 5	M	...	...	3·546	+38·553	- 5	m	...	...	4·688	+ 3·081	- 5	M m	...	...
*	12·338	+23·788	1·00	43.6201	9·9	*	3·449	-44·818	1·00	44.6424	10·2	...	4·823	+11·074	- 5	M m	...	...
...	12·319	+56·499	- 2	...	...	...	3·429	+59·608	0·75	...	...	*	4·856	+34·200	1·00	43.6213	9·9	...
*	12·129	-13·637	1·20	44.6415	9·4	...	3·187	+22·734	- 5	M m	...	*	5·212	-33·153	1·00	44.6431	10·1	...		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
421-480						481-540						541-600						
421	+ 5.438	+ 58.443	- 3	...	...	481	+ 13.600	- 16.279	0.95	...	...	541	+ 22.120	- 57.674	2.40	44.6445	8.2	
...	5.451	+ 34.017	0.95	43.6214	10.2	...	13.731	+ 39.900	- 5	...	...	S *	22.217	+ 23.978	1.10	43.6228	9.6	
...	5.626	+ 23.822	- 3	M	...	...	13.982	- 22.539	0.90	44.6437	10.2	...	22.238	- 55.892	- 5	m	...	
...	5.678	+ 41.198	- 5	...	...	...	14.074	- 31.487	- 5	m	...	...	*	22.495	- 6.109	1.00	...	...
...	5.702	- 24.188	- 5	M m	...	...	14.110	+ 56.329	- 2	...	...	...	...	22.504	- 36.721	- 1	a	...
...	+ 5.936	- 12.323	1.10	44.6432	9.4	...	+ 14.235	+ 18.063	- 5	m	...	...	...	+ 22.543	- 11.951	- 4	m	...
...	5.964	- 31.593	- 4	M m	...	...	14.486	+ 12.022	- 2	...	...	...	...	22.545	- 52.546	0.90	44.6446	10.2
...	6.004	+ 6.872	- 1	...	...	...	14.516	- 38.289	- 5	m	...	...	...	22.579	+ 51.142	- 1	...	...
...	6.249	- 28.606	- 4	m	...	...	14.534	- 9.630	- 5	m	...	...	...	22.767	- 15.637	0.80	...	...
...	6.560	+ 29.084	- 3	...	...	...	14.607	+ 27.389	- 5	...	...	...	...	23.216	+ 1.801	- 5	m	...
431	+ 7.076	- 9.164	1.00	44.6433	9.8	491	+ 15.214	+ 47.288	0.75	...	...	551	+ 23.059	- 43.738	0.70	...	...
...	7.103	+ 27.243	- 5	...	...	...	15.303	- 52.842	0.90	44.6438	10.1	...	23.108	+ 36.186	- 3	...	...
...	7.215	+ 2.277	- 3	...	...	...	15.304	- 20.621	- 1	a	...	...	23.113	- 11.583	- 1	d	...	
...	7.388	+ 25.151	- 2	...	...	...	15.382	- 43.077	0.85	...	...	...	23.252	- 58.496	- 5	m	...	
...	7.395	+ 13.372	0.80	43.6215	10.2	...	15.744	- 13.817	- 5	m	...	...	23.287	+ 45.595	0.90	...	...
...	+ 7.396	+ 35.551	0.90	43.6216	10.2	...	+ 15.823	- 27.009	- 5	m	...	...	+	23.393	+ 56.578	- 3	...	...
...	* 7.602	+ 0.588	1.05	43.6217	9.6	...	15.840	+ 42.716	- 2	...	...	...	...	23.411	+ 15.854	- 5	m	...
...	7.630	- 41.007	- 5	m	...	...	* 15.850	- 3.119	0.95	43.6223	10.2	...	...	23.593	+ 33.581	- 2	...	...
...	7.787	+ 14.697	- 1	...	...	...	15.876	- 58.831	- 4	m	...	...	...	23.705	- 40.580	- 3	m	...
...	7.790	- 20.542	- 5	m	...	...	* 16.169	- 55.244	1.00	44.6439	10.0	...	...	23.804	+ 10.086	- 5	m	...
441	+ 7.858	+ 46.316	- 5	...	...	501	+ 16.697	+ 0.340	- 2	a	...	...	561	+ 23.859	- 27.127	- 5	m	...
...	* 7.921	+ 46.161	1.00	...	...	...	* 16.765	+ 35.919	1.10	43.6224	9.7	...	...	23.872	+ 52.862	- 5	...	...
...	7.980	- 25.203	- 3	...	...	...	16.837	+ 50.262	- 5	...	...	...	...	24.039	+ 27.485	- 5	m	...
...	8.359	- 26.837	- 5	m	...	...	16.950	+ 31.595	- 1	...	...	...	...	24.164	+ 10.177	- 5	m	...
...	8.401	+ 58.336	- 5	...	...	...	17.149	+ 26.588	- 3	...	...	...	...	24.248	- 40.626	0.70	...	...
...	* + 8.678	+ 2.945	1.00	...	...	S *	+ 17.181	+ 47.947	1.25	43.6225	9.3	...	...	+ 24.474	+ 34.527	- 4	...	...
...	8.834	+ 40.314	- 5	...	...	...	17.188	- 17.558	- 5	m	...	...	...	24.949	- 13.536	- 2	b	...
...	8.845	+ 41.993	0.95	...	...	...	17.192	- 42.879	0.70	...	...	...	...	25.088	- 4.329	- 3	m	...
...	9.109	+ 13.987	- 5	m	...	...	17.266	- 34.519	- 2	b	...	...	...	25.092	+ 56.956	- 5	...	...
...	9.178	- 55.868	- 3	...	...	...	17.347	- 17.299	- 5	m	...	...	...	25.119	+ 9.922	- 4	...	...
451	+ 9.348	+ 37.369	0.70	...	...	511	+ 17.462	+ 33.448	- 5	...	...	...	571	+ 25.126	- 47.604	- 4	...	...
...	9.383	- 17.535	- 5	m	...	...	17.757	- 51.646	- 5	...	...	...	...	25.203	- 1.100	0.80	a	...
...	9.551	+ 21.953	- 5	...	...	...	17.839	- 23.957	- 2	b	...	...	...	* 25.281	- 33.176	1.00	44.6447	10.1
...	9.575	- 25.451	- 5	m	...	...	18.304	+ 53.899	1.10	42.6330	10.4	...	...	* 25.628	- 21.707	1.00	44.6448	10.2
...	9.770	- 43.534	0.90	...	...	N	18.444	+ 56.118	- 2	...	...	...	...	25.650	- 36.934	0.65	...	...
...	† + 10.007	+ 34.741	- 4	...	...	...	+ 18.503	+ 58.624	- 5	m	...	...	...	+ 26.113	- 38.568	- 4	m	...
...	10.187	+ 53.344	- 5	...	...	...	18.669	+ 37.503	- 4	...	...	...	...	26.419	+ 23.477	- 4	...	...
...	10.378	- 36.233	- 4	m	...	...	18.814	+ 19.317	- 1	...	...	...	...	26.476	+ 10.699	- 5	m	...
...	10.396	+ 2.569	- 4	...	...	...	* 18.848	- 4.630	1.20	43.6226	9.2	...	...	* 26.649	+ 11.167	1.00	43.6229	9.9
...	10.719	+ 1.372	- 4	...	...	...	19.252	+ 22.381	- 4	m	...	...	...	26.651	- 14.868	- 5	m	...
461	+ 10.797	+ 4.228	- 5	m	...	521	+ 19.383	- 32.680	0.85	...	...	...	581	+ 26.784	- 39.259	- 5	m	...
...	* 10.879	- 8.945	1.00	44.6434	10.1	...	19.397	+ 34.258	0.70	...	...	...	...	26.929	+ 11.896	1.00	43.6230	10.1
...	11.249	- 41.153	- 5	m	...	...	19.470	- 12.447	- 5	m	...	...	...	26.960	+ 35.833	- 4	...	...
...	* 11.282	+ 5.026	1.15	43.6218	9.4	...	19.705	+ 31.373	- 5	m	...	...	...	* 27.233	+ 53.805	1.00	42.6335	10.3
...	11.447	- 18.802	- 5	m	...	...	19.785	+ 8.833	- 4	m	...	...	...	27.238	- 21.188	- 5	m	...
...	+ 11.554	+ 34.997	- 5	m	...	...	+ 19.945	- 50.548	- 5	m	...	...	...	+ 27.508	+ 3.198	- 2	...	...
...	* 11.554	+ 0.905	1.00	43.6219	10.2	...	19.947	- 28.053	- 5	m	...	...	...	27.771	- 28.486	- 5	m	...
...	11.580	- 59.450	1.15	44.6435	9.6	...	20.118	- 30.096	0.90	...	...	...	...	27.935	- 23.573	- 1	b	...
...	12.020	+ 27.706	- 4	...	...	...	* 20.423	+ 51.871	- 5	...	...	...	...	27.983	+ 46.664	- 5	m	...
...	12.215	+ 23.996	- 5	m	...	...	20.447	+ 24.570	- 5	...	...	...	...	28.017	+ 26.777	- 5	...	...
471	+ 12.264	+ 22.038	3.15	43.6220	7.2	531	+ 20.474	- 7.575	- 4	m	...	...	591	+ 28.062	- 29.528	- 5	m	...
...	* 12.489	+ 25.490	1.00	43.6222	10.0	...	20.548	- 12.544	- 5	m	...	...	...	* 28.141	+ 43.215	1.00	43.6231	9.6
...	12.499	+ 32.290	1.30	43.6221	9.0	...	21.113	+ 23.980	0.75	...	...	...	...	28.152	+ 1.405	- 4	...	...
...	12.521	+ 36.576	- 3	...	...	...	21.537	+ 38.061	- 5	m	...	...	...	28.185	- 13.020	- 4	m	...
...	12.542	- 58.584	0.85	...	...	...	21.580	+ 16.154	- 4	...	...	...	...	28.298	- 8.453	- 5	m	...
...	+ 12.578	+ 17.557	- 5	m	...	...	+ 21.639	- 28.767	- 1	b	...	...	...	+ 28.400	- 52.594	- 2	...	...
...	* 12.833	- 43.453	1.15	44.6436	9.4	...	21.721	+ 10.464	1.10	43.6227	9.6	...	...	28.486	+ 15.343	- 5	m	...
...	13.170	- 37.750	- 5	m	...	...	21.907	- 9.148	- 3	m	...	...	...	28.517	+ 59.437	- 5	...	...
...	13.249	+ 16.438	- 5	m	...	...	* 21.958	+ 14.217	- 5	m	...	...	...	29.156	- 49.097	1.05	44.6449	9.4
...	13.388	+ 35.358	- 5	m	...	...	22.016	- 18.453	1.20	44.6444	9.4	...	...	29.204	+ 1.297	- 3	...	...

515. Mass. 43° 82, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
601-660						661-720						721-761						
601	+29.302	-0.519	2.43	43.6232	7.4	661	+41.290	+17.716	5	...	...	721	+51.852	-47.972	5	m	...
S*	29.488	-21.791	5	m	...	...	41.895	-15.901	0.65	...	...	...	51.930	+18.954	5	m	...
...	29.500	-50.286	0.65	...	...	...	41.973	-19.260	0.65	...	...	*	52.137	-8.589	1.00	44.6466	10.1
...	29.544	-57.051	5	m	...	...	42.085	-9.242	5	m	...	...	52.232	-32.889	5	m	...
...	29.726	-40.928	5	m	...	...	42.421	-11.657	5	m	...	...	52.772	+6.160	5	m	...
...	+30.115	+1.896	5	...	...	*	+42.696	-26.195	1.00	44.6458	10.0	...	+52.854	+29.997	0.65	...	...
...	30.512	-8.223	5	m	...	...	42.851	+15.883	5	...	...	S*	52.984	-45.111	1.80	44.6467	8.7
...	30.611	+6.959	0.70	...	...	*	42.938	+53.105	1.25	42.6346	10.0	*	53.007	+13.821	1.00	43.6243	9.8
...	30.655	-19.067	1.05	44.6450	9.4	*	42.958	+19.638	1.00	43.6237	10.0	...	53.188	+40.450	5	m	...	
*	30.709	+28.581	1.10	43.6233	9.4	*	42.992	-14.090	1.00	44.6459	10.2	...	53.305	+8.305	5	m	...	
611	...	...	...	...	...	671	+43.068	+1.789	1.00	43.6238	9.9	731	+53.371	-53.301	5	m	...
...	+30.778	+56.431	5	...	...	*	43.192	+53.652	4	...	...	...	53.416	+56.974	5	...	...
...	30.933	-27.043	3	m	...	...	43.211	-50.779	1.05	44.6460	9.7	...	53.448	-23.146	0.95	...	...
...	31.010	+35.673	0.65	...	...	*	43.341	+34.444	4	...	...	...	53.483	-50.871	5	e	...
...	31.029	+49.287	3	...	...	...	43.479	-10.480	5	m	...	...	53.601	-46.796	5	m	...
...	31.218	+27.064	5	m	...	...	+43.782	+13.462	4	...	...	...	+53.660	-13.350	5	m	...
...	+31.591	-27.057	3	m	...	...	43.789	+29.549	5	...	...	†	53.846	-49.502	1.20	44.6468	9.6
...	31.720	+16.308	2	...	...	...	43.947	-9.551	5	m	...	...	53.882	-6.327	0.70	e	...
...	31.959	-16.417	4	m	...	...	44.073	+9.153	4	...	...	...	53.941	-27.588	5	m	...
*	31.968	-20.329	1.25	44.6452	9.0	...	44.329	-23.859	0.95	44.6461	10.2	...	54.411	-17.508	5	m	...	
...	32.029	+28.798	0.95	...	...	681	+45.249	+48.016	5	...	...	741	+55.769	+24.071	5	...	...
621	45.868	-21.630	5	m	*	56.192	-9.030	1.45	44.6470	8.9
...	+32.400	+55.825	4	45.924	-19.316	5	m	56.262	+24.833	2
*	32.467	+34.973	1.25	43.6234	9.1	...	45.982	-42.531	3	56.306	+5.469	5	m	...
...	32.780	-19.408	5	m	46.157	+31.960	4	56.315	+4.665	3
...	33.412	-29.577	5	m	+46.168	+48.756	5	+56.519	+30.046	5
...	33.583	+6.452	1	46.291	-7.588	5	m	56.920	+15.887	5
...	+34.121	-29.437	5	m	46.331	-29.825	3	56.927	-10.444	5	m	...
...	34.261	+53.294	5	46.388	-14.773	4	m	57.500	-36.504	5	e	...
...	34.391	-44.780	3	46.541	+23.312	0.80	57.571	-25.299	0.90
...	34.403	+27.288	5	...	...	691	+46.559	+25.776	0.65	...	...	751	+57.644	+33.019	1.10	43.6244	9.9
...	34.501	-51.343	4	m	46.761	-44.980	3	58.094	-26.063	5	m	...
631	46.803	-40.477	1.30	44.6462	9.2	58.317	+53.385	3
...	+34.898	+2.347	4	47.089	-53.346	5	58.362	-31.937	0.90
...	35.720	+52.798	5	N†	47.114	-4.691	1.25	43.6240	9.0	58.377	-46.266	5
...	35.780	+39.334	4	...	...	*	+47.245	+24.177	1.00	43.6239	10.2	*	+58.779	+56.372	1.80	42.6353	9.4
*	35.857	+35.506	1.00	47.323	+14.230	4	58.981	-36.102	5	m	...
...	35.863	-46.276	0.65	...	...	...	47.581	+37.891	2	...	...	†	59.017	-39.682	0.90	...	...
...	+35.865	+33.615	0.75	47.588	+8.702	0.95	59.338	-26.890	5	e	...
...	35.937	-11.584	0.70	*	47.648	-12.143	1.05	44.6463	9.6	59.360	-42.221	4
*	36.072	-35.575	1.20	44.6453	9.2	701	+48.107	-10.768	3	e	...	761	+59.622	+0.180	4	...	...
*	36.232	+9.537	1.00	43.6235	10.1	...	49.111	-23.254	0.80	...	...	...	...	...	...	...	...
...	36.558	+10.060	5	m	...	...	49.490	-39.349	0.80	...	...	...	...	...	...	...	...
641	...	...	...	...	...	...	49.507	-32.235	3	...	...	...	...	...	...	...	...
*	+36.678	-51.786	1.05	44.6454	10.2	...	49.534	-34.703	3	e	...	...	...	...	...	...	...
...	37.001	-36.769	5	m	...	...	+49.811	-26.350	0.65	...	...	...	...	...	...	...	...
*	37.107	+59.722	1.20	42.6344	10.0	...	49.975	+10.282	3.50	43.6241	7.0	...	...	...	...	...	...
...	37.309	-48.624	0.80	...	...	...	50.091	-15.670	0.75	...	...	...	...	...	...	...	...
...	37.456	-42.048	4	m	...	...	50.236	+49.714	2	...	...	...	...	...	...	...	...
...	+37.473	-24.864	5	m	...	...	50.637	+45.115	3	...	...	...	...	...	...	...	...
...	38.019	-11.894	0.90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	38.626	+51.334	1.10	43.6236	10.0	...	...	...	...	...	...	...	...	...	...	...	...
...	38.917	-16.860	5	m	...	...	...	...	...	...	...	...	...	...	...	...	...
...	39.015	-6.012	4	m	...	711	+50.672	+29.597	0.80	...	...	...	...	...	...	...	...
651	...	...	...	...	...	...	50.724	-31.669	2	...	...	...	...	...	...	...	...
...	+39.026	-44.054	5	m	...	S*	50.873	+14.370	2.00	43.6242	8.2	...	...	...	...	...	...
...	39.142	+39.906	3	...	...	*	50.937	-10.681	1.20	44.6465	9.6	...	...	...	...	...	...
...	39.149	-42.201	5	m	...	...	50.960	-17.975	4	e	...	...	...	...	...	...	...
...	39.484	-50.165	4	...	...	...	+51.157	-54.983	1	...	...	...	...	...	...	...	...
...	40.110	+44.637	4	...	...	...	51.269	-17.365	5	m	...	...	...	...	...	...	...
*	+40.187	-53.807	1.50	44.6456	9.0	...	51.403	-49.529	5	m	...	...	...	...	...	...	...
...	40.317	+36.483	5	...	...	...	51.460	+17.761	5	...	...	...	...	...	...	...	...
...	40.443	+43.861	5	...	...	...	51.805	+1.501	4	a	...	...	...	...	...	...	...
...	42.236	+41.431	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	12.129	-33.717	1.00	44.6457	9.7	...	...	...	...	...	...	...	...	...	...	...	...

695. Mass. 45°.82, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60																	
I	-59.807	-45.180	-5	...	...	61	-42.871	-33.152	0.90	44.6476	10.2	121	-34.573	+30.882	-4	...	...
†	59.491	-10.953	-5	E	...	...	42.690	-12.738	-2	B	...	...	34.522	+20.790	-5	M	...
...	59.207	+49.575	-4	...	...	*	42.684	+31.486	1.15	43.6247	9.6	...	34.514	-47.992	-5	M	...
†	58.656	+44.987	-5	...	...	...	42.289	+22.858	-5	...	...	...	34.302	-31.436	-5	M	...
†	58.230	+10.168	3.20	43.6241	7.0	*	42.125	+32.327	1.00	43.6248	10.1	N	34.163	-14.135	-2	...	...
...	-58.159	+29.472	-2	...	...	*	-42.118	+33.357	1.25	43.6249	9.0	N	-34.143	-14.185	-4	...	...
...	58.118	-23.389	-3	...	...	†	42.005	-44.665	1.10	44.6477	9.3	...	34.041	+0.879	-4	...	...
S*	57.486	+14.259	2.00	43.6242	8.2	...	41.922	+46.847	-5	...	...	...	33.937	+22.425	-5	...	...
...	57.439	-32.367	-4	...	...	...	41.902	+13.242	-5	...	...	...	33.797	+33.239	-2	...	...
...	57.356	-15.797	-3	...	...	...	41.828	-27.330	-3	...	...	...	33.727	+33.159	-3	...	...
61-120																	
II	-57.338	-34.831	-4	E	...	71	-41.275	+17.775	-4	...	...	131	-33.723	-0.880	-2	B	...
†	57.314	-26.476	-3	...	...	...	41.202	-7.211	-4	...	...	...	33.622	+4.800	0.90	...	...
...	57.248	-39.478	-4	...	...	*	40.974	-31.356	1.15	44.6478	9.6	...	33.474	-46.679	-2	A	...
*	56.657	-10.782	1.10	44.6465	9.6	*	40.768	+32.093	1.25	43.6250	8.7	...	33.273	+41.593	0.80	...	...
...	56.415	-18.063	-5	E	...	...	40.468	+7.222	-5	...	...	...	33.245	+58.541	-2	...	...
...	-56.230	-31.759	-4	...	...	...	-40.415	-35.041	0.70	...	...	...	-33.158	-47.134	-2	M	...
...	55.984	+29.922	-3	...	...	*	40.153	-56.540	2.30	44.6479	8.2	...	32.977	+43.143	-5	...	...
...	55.535	-8.646	0.80	44.6466	10.1	...	40.091	-3.016	-5	M	...	...	32.551	-30.603	-5	M	...
*	55.348	+13.769	1.00	43.6243	9.8	†	39.839	-33.865	-2	...	...	...	32.141	-56.221	-5	M	...
...	55.096	-55.044	-4	...	...	...	39.633	+23.636	-5	M	...	...	31.912	-26.872	-3	A	...
121-180																	
2I	-53.864	-6.343	-4	E	...	81	-39.497	-52.058	-3	A	...	141	-31.766	-44.341	-3	...	...
...	53.776	-23.145	-1	...	...	...	39.420	+28.410	-5	...	...	...	31.760	+22.053	-5	...	...
S*	53.562	-45.126	1.95	44.6467	8.7	...	39.415	-52.528	-5	M	...	*	31.733	-26.316	1.05	44.6482	9.4
...	52.897	-50.865	-5	E	...	...	39.329	-9.195	-4	M	...	...	31.732	-25.475	-5	M	...
*	52.550	-49.467	1.05	44.6468	9.6	...	39.249	+28.474	-2	...	...	...	31.666	+17.279	-4	...	...
...	-52.444	+24.880	-3	...	...	...	-38.950	-17.589	-5	M	...	...	-31.591	-32.291	0.65	...	...
...	51.768	+4.735	-4	...	...	*	38.823	-35.805	1.00	44.6481	9.9	...	31.528	-31.702	-3	B	...
*	51.472	-8.969	1.25	44.6470	8.9	...	38.658	-15.694	-5	M	...	...	31.375	+52.719	0.90	...	...
*	51.298	+33.110	1.05	43.6244	9.9	...	38.635	-8.612	-1	...	...	...	31.122	-49.535	-4	M	...
...	51.250	+53.480	-4	...	...	...	38.418	-33.626	-5	M	...	...	31.100	-43.509	-4	M	...
151-180																	
3I	-50.877	+56.491	1.60	42.6353	9.4	91	-38.272	+0.313	-5	...	...	151	-30.928	-8.262	2.00	44.6483	8.3
...	49.594	-25.182	0.70	...	...	...	38.192	-30.796	-5	M	...	S*	30.893	+25.756	-5	M	...
*	49.501	+56.330	1.20	42.6356	9.8	...	38.050	-43.337	-5	...	...	...	30.736	-4.066	-4	M	...
...	49.300	-36.378	-5	E	...	...	37.778	+31.745	-3	...	...	...	30.296	+23.591	-4	...	...
...	49.016	+36.016	-2	...	...	*	37.759	-6.927	1.05	43.6251	9.7	*	30.154	+17.755	1.10	43.6254	9.6
...	-48.598	-31.791	0.75	...	...	...	-37.505	-21.074	-5	M	...	...	-29.511	-34.629	-5	M	...
...	48.341	+0.349	-5	...	...	...	37.442	+17.046	-4	...	...	...	29.477	+22.870	0.65	...	...
...	48.155	-46.098	-5	...	...	...	37.398	+20.742	0.95	43.6252	10.2	...	29.073	-33.595	-4	...	...
...	47.791	-26.720	-5	E	...	...	37.279	-35.929	-5	M	...	N	28.794	-26.758	0.65	A	...
...	47.700	-39.500	0.70	...	...	...	37.260	+55.286	-5	...	...	...	28.519	-37.530	0.90	44.6485	10.2
161-180																	
4I	-47.557	+33.940	-4	...	...	101	-36.711	-24.945	-5	M	...	161	-28.290	-20.529	-5	M	...
...	47.459	-6.235	-3	B	...	...	36.526	+27.196	-5	...	...	...	28.287	+12.655	-5	...	...
...	47.287	-42.026	-4	...	...	...	36.468	-42.009	0.80	...	...	...	28.101	-29.108	-5	...	...
*	47.248	-59.520	2.60	44.6471	7.4	...	36.404	+33.689	0.90	...	...	...	27.922	+26.541	-5	M	...
...	47.155	-8.168	-5	M	...	...	36.196	-2.500	0.95	...	...	...	27.898	-16.590	-5	M	...
...	-46.673	+2.133	-5	...	...	...	-36.168	-26.360	-5	M	...	*	-27.709	-23.143	1.00	44.6486	9.7
...	46.063	+38.919	-2	...	...	...	36.128	-47.461	-5	M	...	†	27.679	+30.078	1.00	43.6255	9.8
...	45.904	-15.364	-5	M	...	...	36.062	-49.337	0.70	...	...	...	27.668	+19.244	-4	...	...
†	45.727	+49.970	1.50	43.6245	8.9	...	36.029	+14.316	0.90	...	...	...	27.627	+3.824	-4	...	...
†	45.712	-29.757	1.00	44.6473	10.0	...	35.648	-2.539	0.90	...	...	...	27.569	-58.809	-5	...	...
171-180																	
5I	-45.413	+43.123	1.50	43.6246	9.0	111	-35.639	-32.130	-2	...	...	171	-27.475	-8.750	-5	M	...
...	45.225	+12.262	-5	...	...	...	35.352	-30.871	-4	M	...	...	27.429	+51.379	-5	...	...
...	45.090	-20.343	0.70	...	...	...	35.321	+14.549	-5	...	...	...	27.312	-1.445	-5	M	...
†	44.898	+21.540	-5	...	...	...	35.303	-51.625	-5	M	...	...	27.272	-48.051	-2	...	...
...	44.436	+54.311	-5	...	...	...	35.173	-31.136	-5	M	...	...	26.921	-47.379	-4	...	...
...	-43.667	-32.569	0.90	44.6475	10.2	...	-35.168	-21.733	-5	M	...	...	-26.850	-10.148	-5	M	...
...	43.519	-42.396	0.65	...	...	...	35.101	-11.403	0.75	...	...	...	26.837	-11.071	-5	M	...
...	43.469	-56.268	-1	...	...	...	34.998	+14.232	-3	...	...	...	26.809	-11.208	0.90	44.6488	10.2
...	43.448	-4.739	-5	M	...	...	34.919	-40.915	-5	...	...	...	26.626	+8.378	-4	...	...
...	42.877	+18.767	-3	...	...	S*	34.646	+18.685	3.00	43.6253	7.0	*	26.213	+21.913	1.00	43.6256	9.7

SB measured from 1, 156, 362, 563.
 ES ,, ,, 79, 281, 487, 683.

125, 126. 45°-82, mass.
 159. 45°-82, obscured by reseau.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
181-240						241-300						301-360					
181	-26.203	-54.803	-5	M	...	241	-15.180	-24.562	0.70	...	...	301	-7.823	-25.424	-2	A	...
†	26.138	+39.170	1.00	43.6257	10.2	†	14.994	+39.408	1.05	43.6267	9.7	S*	7.543	-50.793	2.55	44.6501	7.8
*	25.929	-41.484	-1	...	...	†	14.813	+11.754	-2	...	...	*	7.489	-16.733	-5	M	...
...	25.761	+35.532	-3	...	...	...	14.654	+34.729	-5	M	...	...	7.188	-53.930	-5	M	...
...	25.594	+20.342	0.85	...	...	...	14.566	-25.971	-3	B	...	...	7.072	-9.323	-4	M	...
...	-25.165	-7.110	-4	M	...	...	-14.557	-24.051	-5	M	...	...	-6.914	-46.346	-5	M	...
...	24.653	-48.175	-5	M	...	*	14.451	-21.300	1.00	44.6493	10.2	*	6.608	+5.827	1.45	43.6275	9.0
...	23.951	+38.375	0.90	...	...	...	14.405	+11.933	-1	...	...	...	6.568	-58.944	-3	...	...
...	23.937	-4.751	0.85	43.6258	10.2	...	14.322	+42.562	-5	...	...	...	6.557	+13.627	-1	...	...
...	23.557	+0.954	-2	...	...	...	14.210	+29.396	-5	...	...	...	6.507	-31.027	-5	M	...
191	-23.531	-56.017	2.65	44.6489	7.6	251	-14.196	+10.438	-3	...	...	311	-6.504	+56.584	-5	...	...
*	23.361	+55.141	-3	...	...	...	13.877	-35.462	-3	A	...	...	6.475	+2.523	-4	M	...
...	23.300	-1.637	-1	...	...	...	13.686	+51.422	-5	...	...	*	6.469	-44.871	0.90	44.6502	10.0
...	23.152	-58.882	-5	...	...	...	13.672	+21.277	-4	...	...	...	6.324	+57.468	-2	...	...
...	23.146	+20.692	-4	...	...	*	13.175	-3.607	1.10	43.6268	9.4	...	6.264	+25.246	-5	...	...
...	-23.051	-40.208	-1	...	...	...	-13.055	+40.712	-5	...	...	...	-6.166	+51.327	-5	...	...
*	22.853	+44.516	1.45	43.6259	8.9	*	12.996	+6.284	1.00	43.6269	9.6	...	6.057	-52.657	1.5	M	...
...	22.775	-3.247	-5	M	...	...	12.757	-26.147	-5	M	...	...	5.790	+9.484	-3	...	...
...	22.573	-38.459	-3	...	...	...	12.474	+54.144	-5	...	...	...	5.721	+40.073	-1	...	...
...	22.561	+56.745	-5	...	...	...	12.467	+1.729	-4	...	...	...	5.437	-28.943	-4	M m	...
201	-21.488	+9.336	-2	...	...	261	-12.434	-29.386	0.90	44.6494	10.2	321	-5.376	+34.706	-5	M	...
...	21.480	+16.763	-5	...	...	...	12.357	+42.000	-5	...	...	...	4.770	-56.198	-4	...	...
...	21.096	-13.088	-5	M	...	...	12.091	+26.506	-5	...	...	...	4.733	-54.430	0.65	...	...
...	21.092	+17.460	-5	...	...	*	12.087	+48.319	1.05	43.6270	9.6	...	4.606	+45.056	0.70	...	...
...	20.690	-47.915	0.90	44.6490	10.0	...	12.057	-39.356	-5	M	...	...	4.491	-36.834	-5	M m	...
...	-20.675	-47.806	-3	...	...	*	-11.938	-43.210	2.10	44.6496	8.0	*	-4.416	-30.274	1.05	44.6503	9.6
...	20.637	-50.352	-3	...	...	*	11.901	-28.280	1.00	44.6495	10.2	...	4.341	+21.560	-4	m	...
...	20.601	+2.613	-5	M	...	...	11.690	+4.344	-5	M	...	...	4.298	+10.867	-3	m	...
...	20.569	-53.872	-5	M	...	...	11.627	+59.451	-5	...	...	...	4.214	+19.884	-2	...	...
...	20.396	-16.419	0.90	44.6491	10.2	*	11.570	-5.401	1.00	43.6271	9.6	...	4.184	-53.895	-5	M	...
211	-20.304	-49.081	0.65	...	...	271	-11.170	+24.663	-4	...	...	331	-4.127	+29.843	-5	M m	...
†	19.932	+30.854	1.05	43.6260	9.6	*	11.090	+32.769	1.00	...	...	...	4.115	+33.638	-5	m	...
...	19.839	-7.442	-5	M	...	†	10.907	+29.934	-5	...	...	...	3.913	-51.333	-3	...	...
...	19.697	+57.049	-4	...	...	*	10.777	+23.259	1.00	43.6272	10.2	...	3.808	-7.607	0.85	M	...
...	19.692	-39.626	-4	M	...	...	10.601	-28.301	-4	M	...	...	3.761	+29.571	-4	m	...
...	-19.680	-1.070	-5	M	...	...	-10.525	-43.921	-4	M	...	...	-3.336	-40.991	-5	M m	...
*	19.497	+36.705	1.00	43.6261	10.1	...	10.424	-17.466	-5	M	...	...	3.303	-5.481	-2	B m	...
S*	19.125	+27.092	1.85	43.6262	8.6	...	10.418	-6.421	-5	M	...	...	3.156	-14.085	-4	M m	...
...	19.079	+23.032	0.65	...	...	*	10.380	+51.871	1.00	43.6273	10.2	...	2.366	-20.143	0.80	...	...
...	18.925	+16.396	-5	...	...	...	10.116	-26.481	-3	A	...	...	2.333	-46.790	0.95	44.6504	10.0
221	-18.534	+27.642	0.85	...	...	281	-9.844	+45.677	1.00	43.6274	10.0	341	-2.129	-34.669	-4	M m	...
...	18.526	+1.772	-5	M	...	†	9.758	-14.109	-2	A	...	...	1.971	+0.012	-1	M f	...
...	18.515	+39.548	-5	...	...	*	9.749	-46.448	1.05	44.6498	9.5	...	1.945	+44.423	-4	...	...
...	18.398	+47.213	-4	...	...	...	9.725	+9.359	0.65	...	...	...	1.885	+22.714	-5	M m	...
*	18.366	+44.577	1.20	43.6263	9.3	...	9.721	+36.698	-5	M	...	...	1.865	+25.119	-5	M m	...
...	-18.152	-17.513	-5	M	...	...	-9.496	+30.318	-5	M	...	*	-1.757	-24.478	1.10	44.6506	9.6
*	17.440	+11.665	1.00	43.6264	9.6	...	9.001	-31.588	-4	M	...	...	1.608	-25.804	-5	M m	...
...	17.239	-54.454	-5	M	...	...	8.967	+1.379	-4	M	...	...	1.397	-42.972	-3	M	...
...	16.943	-30.416	-2	...	...	...	8.820	+30.818	-2	...	...	...	1.017	-37.640	-5	M m	...
...	16.692	+1.913	-5	...	...	...	8.789	+31.445	-4	...	...	...	0.976	+40.151	0.95	43.6276	10.0
231	-16.653	+27.343	1.10	43.6265	9.4	291	-8.747	-22.856	-5	M	...	351	-0.822	+16.079	-5	M m	...
*	16.539	+53.134	-5	...	...	*	8.621	-16.833	1.00	44.6499	10.0	...	0.715	-53.859	0.75	...	...
...	16.539	+18.077	-5	...	...	...	8.577	+35.156	-4	...	...	...	0.598	-37.402	-5	M m	...
...	16.511	-27.978	-5	M	...	...	8.277	-42.820	-1	...	...	S*	0.544	+57.759	1.75	42.6379	8.6
*	16.359	+16.320	1.05	43.6266	9.6	...	8.260	-40.726	-4	M	...	...	0.544	+23.085	-5	M m	...
...	-15.932	+5.427	-5	...	...	...	-8.187	+3.000	-3	B	...	...	-0.540	-14.746	-5	M m	...
...	15.612	-45.396	-1	...	...	...	8.066	-27.455	-3	A	...	...	0.473	+23.021	0.80	...	...
...	15.579	+3.513	-5	...	...	...	8.028	+2.944	-4	M	...	...	0.303	-28.007	0.90	44.6507	10.0
...	15.372	+18.478	-4	...	...	...	8.008	+1.003	-4	M	...	...	0.195	+13.746	0.75	...	...
*	15.234	-24.058	1.00	44.6492	9.9	...	7.881	+38.147	-4	...	...	...	-0.147	+13.867	-2	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
361-420						421-480						481-540							
361	+	0.004	+37.007	0.90	...	421	+	9.606	+57.774	-5	...	481	+	19.417	+14.707	-5	...		
...		0.230	+20.308	-4	...	...		10.082	-33.272	-4	...	...		19.570	-49.464	-2	...
...		0.314	+25.794	-5	M m	...		10.160	+9.774	0.80	...	...		19.577	+1.705	-5	...
*		0.327	-40.049	1.40	44.6508	8.7	*	10.336	-20.118	1.00	44.6519	10.0	...	19.584	+29.394	-5	...		
...		0.368	-30.188	-5	M m	...	...	10.450	+2.005	-5	m	...	*	19.607	+23.194	1.00	43.6283
*	+	0.764	+53.806	1.30	42.6382	9.0	...	+10.516	+7.935	-4	...	...	+	19.861	+50.368	0.85	...
...		0.792	-42.237	-5	M	...	...	10.563	-49.556	-5	...	...	†	20.014	-3.423	0.80	43.6284
†		1.497	-59.683	-5	M m	...	...	10.986	-44.219	-4	m	...	†	20.014	-19.904	-3	...
...		1.607	-54.527	-5	M m	...	...	11.187	+8.416	0.85	43.6279	10.0	...	20.105	-6.215	-5	m
...		1.638	-49.502	-4	M	...	...	11.605	+12.461	-5	...	...	...	20.222	-34.225	-1	...
371	+	1.725	-24.066	-4	M	...	431	+	11.899	-56.073	0.90	...	491	+	20.419	+34.160	-4	...	
...		1.802	-9.384	0.90	...	...	...	12.096	-42.574	-4	...	...	...	20.785	-12.876	-2	...
...		1.869	-34.133	-5	M m	...	...	12.263	+4.745	-5	m	...	...	20.794	-37.392	-5	m
...		1.995	+33.050	-5	M m	...	...	12.470	+56.116	0.65	...	...	...	20.956	-11.721	-2	...
...		2.091	-49.226	-3	M	...	...	12.474	-7.581	-5	...	...	...	21.000	+16.109	-5	m
...	+	2.095	+38.000	-4	...	...	...	+12.747	+20.186	-4	...	...	...	+21.034	+46.121	-5	...
...		2.141	+26.584	0.90	...	...	...	12.839	-15.659	-4	...	...	...	21.185	-40.067	-3	...
...		2.231	+8.671	-5	M m	...	...	13.488	-29.333	-5	m	...	...	21.275	+47.221	0.80	...
...		2.598	-25.799	0.90	44.6510	10.0	...	13.567	+42.883	-5	...	...	...	21.758	-22.893	-5	...
...		2.639	-45.989	-4	m	...	...	13.695	-11.119	-5	m	...	...	21.885	-16.990	0.80	...
381	+	2.710	-42.987	1.20	44.6511	9.2	441	+	13.868	-15.395	1.30	44.6520	8.9	501	+	21.963	+18.709	-5	m
...		2.799	-52.175	0.80	...	...	...	13.947	-58.744	-5	...	...	*	22.125	-45.466	1.00	44.6525
...		3.131	+5.514	0.70	...	...	...	14.040	-39.941	-5	m	...	...	22.552	+10.240	-1	...
...		3.359	+30.517	-5	M m	...	...	14.046	-26.339	-5	m	...	...	22.633	+14.456	-5	...
...		3.361	+11.857	0.90	...	...	...	14.147	+29.219	-3	...	...	...	22.742	-44.905	-5	m
...	+	3.434	+26.309	-5	M m	...	...	+14.397	-41.175	-5	m	...	...	+22.975	+16.739	-5	...
*		3.486	-36.218	1.00	44.6512	9.9	*	14.577	+38.574	1.00	43.6280	10.0	†	23.119	-54.739	-4	...		
...		3.742	-35.226	-3	M	...	*	14.593	+8.300	1.00	43.6281	9.9	...	23.204	+14.526	-4	...		
...		4.471	-49.857	0.70	M	...	...	14.726	+19.378	-5	...	...	...	23.372	+30.167	0.75	...
...		4.553	+31.973	-4	m	...	...	15.331	-16.898	-5	m	...	...	23.468	+20.261	-5	m
391	+	4.714	-46.815	0.75	451	+	15.438	+28.793	-5	m	...	511	+	23.529	+13.454	-1	...
...		4.791	-31.144	0.85	44.6513	10.0	...	15.474	+14.785	-5	...	...	...	23.613	+36.625	-5	m
...		4.800	+15.747	-5	M m	...	...	16.020	+31.196	-5	...	...	...	23.744	-16.932	-3	...
...		4.951	+47.340	-3	...	...	...	16.379	-12.668	-5	m	...	...	23.747	-19.457	-3	...
...		5.930	+16.954	-5	m	...	...	16.384	-12.910	-4	...	...	...	24.043	-50.557	-5	...
...	+	6.209	+47.320	-5	m	...	...	+16.442	-14.329	-4	...	...	...	+24.184	+2.203	-5	m
...		6.227	-46.466	-4	M	...	...	16.612	-59.601	0.85	44.6522	10.0	...	24.263	-15.034	-4	...
...		6.316	-38.061	-5	m	...	...	16.755	-34.317	-5	m	...	*	24.441	-47.267	1.10	44.6526
*		6.644	-21.373	1.00	44.6514	9.9	...	16.864	+27.213	-5	m	...	...	24.502	+6.776	-1	...
*		6.915	+49.147	1.00	...	...	...	16.945	+47.202	0.75	...	...	...	24.656	+41.388	-4	a
401	+	7.104	-2.141	1.00	43.6277	9.9	461	+	17.034	-36.745	1.00	44.6523	10.0	521	+	24.724	-11.846	-4	...
...		7.111	+10.306	-5	m	...	...	17.043	-41.262	-4	...	...	...	24.821	-25.183	-5	m
...		7.370	-52.163	-5	...	...	...	17.130	-47.060	-5	m	...	...	25.105	+1.713	-3	...
...		7.631	-10.662	-3	...	...	...	17.544	-37.137	-4	...	...	...	25.163	-25.492	-4	m
...		7.717	+33.424	-4	...	...	...	17.950	+44.834	-5	...	...	*	25.226	+7.036	1.10	43.6285
...	+	7.739	-39.232	-4	m	...	*	+17.958	+53.710	2.10	42.6396	8.2	...	+25.291	+37.874	-3	...		
...		7.960	-36.832	-4	...	...	...	17.967	-42.482	-5	...	...	...	25.333	-33.963	0.75	...
...		8.074	+40.446	-3	...	...	...	18.035	-48.991	-4	...	...	...	25.354	+57.549	-5	m
*		8.104	-57.233	1.25	44.6515	9.4	...	18.452	-33.380	-4	...	...	...	25.410	-49.292	-5	...
*		8.195	-3.991	1.00	43.6278	9.8	...	18.499	-34.039	-5	m	...	...	25.489	-12.598	-5	m
411	+	8.344	-38.423	0.75	471	+	18.586	-16.437	-4	...	531	+	25.500	+52.477	-4	...	
...		8.391	-17.447	0.65	...	...	...	18.633	+18.078	1.00	43.6282	10.0	...	25.622	+6.948	-5	m
...		8.391	-28.873	-5	...	...	...	18.661	-15.943	-3	...	...	...	25.739	+2.166	-2	...
*		8.406	-22.584	1.00	44.6516	9.8	...	18.689	-16.849	-5	m	...	*	25.786	-48.859	1.20	44.6527		
...		8.843	-13.463	-4	m	...	...	18.700	-29.358	-5	m	...	...	25.850	-55.219	-4	...
...	+	8.855	-19.099	-4	...	...	...	+18.822	-11.998	-4	m	...	...	+25.991	+27.659	0.80	...
*		8.879	-52.444	1.20	44.6517	9.4	...	19.134	+28.998	0.65	...	...	...	26.084	-34.187	-5	m
†		9.144	+59.892	0.80	42.6388	10.2	...	19.268	-37.790	0.75	...	...	...	26.285	-3.509	-5	m
...		9.157	-24.132	0.90	44.6518	10.0	*	19.362	-41.587	1.00	44.6524	9.9	...	26.515	+58.672	-5	...		
...		9.342	-48.415	0.85	...	...	...	19.374	-36.963	-4	...	...	...	27.053	+10.449	-5	m

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-600						601-660						661-720					
541	+27°094	+21'281	-5	...	...	601	+35°400	+9'415	-5	...	...	661	+46°312	-2'919	1·00	43.6299	9·7
...	27·164	+8·608	-5	...	...	...	35·406	-28·216	-5	...	...	...	46·451	+48·602	-3	...	...
...	27·236	-33·346	-5	<i>m</i>	...	...	35·929	+10·993	-5	...	...	...	46·663	-3·669	-4	...	...
*	27·299	-17·832	1·00	44.6528	9·5	*	36·135	+15·929	1·20	43.6295	9·0	...	47·063	+16·544	-4	...	...
...	27·300	-4·245	-5	<i>m</i>	...	<i>n*</i>	36·296	+17·010	2·20	43.6296	7·8	...	47·466	+44·574	-4	...	...
...	+27·482	+49·232	0·80	...	...	...	+36·372	-43·114	0·65	...	...	...	+47·614	+12·277	-5	...	...
...	27·699	+6·677	0·80	...	...	<i>n*</i>	36·428	+16·810	1·00	43.6296	7·8	...	47·656	-36·791	-5	...	...
...	27·924	+19·063	0·80	...	...	...	36·456	-16·636	-5	<i>m</i>	...	...	47·919	+6·673	-1	...	...
*	28·195	-47·239	1·00	44.6530	9·8	...	36·877	+34·614	0·75	...	...	...	47·936	+12·993	-5	...	...
*	28·320	+47·021	1·00	43.6286	9·9	...	37·089	-35·172	-5	...	...	...	48·094	-53·851	-5	...	...
551	+28·685	-0·978	1·00	43.6287	9·6	611	+37·285	-22·487	0·90	...	...	671	+48·433	+30·522	0·90	...	...
*	28·787	+12·708	-5	<i>m</i>	...	...	37·406	+3·336	-4	...	...	...	48·582	+14·820	-2	...	...
†	28·864	-24·823	-4	...	...	...	37·556	-59·399	-5	...	...	...	48·737	+11·766	-5	...	...
*	28·920	-36·198	1·00	44.6531	10·0	*	37·903	-16·431	1·00	44.6536	10·0	...	48·770	+4·576	-5	<i>m</i>	...
...	29·119	-30·609	-4	<i>m</i>	...	...	38·199	-59·131	-5	...	...	...	48·981	+0·282	-4	<i>e</i>	...
...	+29·138	-29·637	-5	<i>m</i>	...	...	+38·320	-24·388	-5	<i>m</i>	...	...	+49·033	-26·563	-5	...	...
...	29·348	-44·690	-5	<i>m</i>	...	...	38·434	-40·837	-5	...	...	...	49·441	+30·392	0·90	...	...
...	29·502	-24·343	-1	...	...	...	38·828	-48·156	-5	<i>m</i>	...	...	49·510	-15·708	-5	<i>m</i>	...
*	29·525	+17·706	1·00	43.6288	9·8	*	38·903	+56·242	1·50	42.6407	9·2	...	49·556	+50·402	-5	<i>m</i>	...
...	29·631	-52·821	-5	...	...	...	39·021	-58·077	-5	...	...	...	49·630	-18·146	-5	<i>m</i>	...
561	+29·794	-12·789	-5	<i>m</i>	...	621	+39·335	+33·128	0·75	...	...	681	+49·723	-36·452	-2	<i>e</i>	...
...	29·836	+16·511	0·80	...	...	...	39·343	+31·567	-5	<i>m</i>	...	<i>S</i> †	49·736	-32·923	1·85	44.6542	8·9
†	29·914	-28·966	-3	...	...	...	39·475	+45·667	-2	...	...	†	49·967	+43·383	-3	...	...
*	30·168	-43·056	1·00	44.6532	10·0	...	39·960	-50·142	-5	...	...	...	50·029	+40·019	-5	...	...
...	30·170	-51·825	-5	...	...	...	40·150	-57·392	-5	...	...	...	50·070	+31·649	-5	<i>m</i>	...
...	+30·254	+13·752	-3	...	...	...	+40·152	-27·420	-4	...	...	...	+50·132	-6·501	-5	...	...
...	30·776	+40·964	-5	...	...	*	40·558	+17·784	1·00	43.6298	10·0	...	50·429	+35·905	-5	...	...
...	30·839	+42·749	-4	...	...	...	40·562	-29·612	0·90	44.6538	10·0	...	50·532	+44·341	-4	...	...
...	31·008	-11·495	-5	<i>m</i>	...	*	40·573	+36·240	1·15	43.6297	9·2	...	50·652	-16·250	-1	...	...
...	31·060	-39·715	-5	<i>m</i>	...	...	40·634	+5·357	-1	...	...	*	50·804	-9·694	1·00	44.6543	9·7
571	+31·322	+47·611	1·00	43.6289	10·0	631	+40·905	-23·168	0·85	...	...	691	+50·930	-47·247	-2	...	...
*	31·739	+56·478	-5	...	...	...	40·911	-15·595	0·80	...	...	...	51·046	-5·451	-3	...	...
...	31·819	-25·737	-1	...	...	...	41·134	+33·166	-5	<i>m</i>	...	...	51·050	+14·884	-5	...	...
...	32·067	-46·684	-2	...	...	...	41·292	+48·182	-4	...	...	...	51·372	+29·615	-3	...	...
...	32·253	-41·077	-5	...	...	...	41·773	+8·341	-5	...	...	*	51·956	+22·097	1·00	43.6300	10·0
...	+32·339	-26·755	-4	...	...	...	+42·006	+1·910	0·65	...	...	...	+52·431	-30·516	0·95	44.6544	10·0
...	32·380	-4·562	-5	<i>m</i>	...	...	42·020	-56·327	-5	...	...	...	52·568	-22·918	-5	...	...
...	32·610	-25·737	-5	<i>m</i>	...	...	42·178	-30·710	0·70	...	...	...	52·685	+49·291	-5	<i>m</i>	...
...	32·638	+51·668	-5	...	...	...	42·286	-8·430	-5	<i>m</i>	...	...	52·734	+14·054	-5	<i>m</i>	...
*	32·685	+33·978	1·30	43.6290	9·0	...	42·292	+26·943	-5	<i>m</i>	...	...	53·049	-31·210	-3	...	...
581	+32·691	+26·736	-4	...	...	641	+42·480	-37·861	0·85	...	...	701	+53·062	-49·863	-5	...	...
...	32·752	+9·814	-3	...	...	*	42·605	-31·545	1·00	44.6539	10·0	...	53·121	-40·092	-1	...	...
...	32·881	-40·808	-1	...	...	...	43·061	+45·511	-2	...	...	...	53·133	-57·767	-5	...	...
...	32·889	-33·482	-3	...	...	...	43·134	+40·662	-5	<i>m</i>	...	...	53·212	-15·688	0·70	...	...
...	32·993	+31·549	-5	...	...	*	43·142	-21·383	2·00	44.6540	8·4	...	53·529	+33·368	-5	...	...
<i>S</i> *	+33·232	+20·797	1·30	43.6292	8·8	...	+43·448	-6·741	-4	...	...	...	+53·880	-17·036	-5	<i>m</i>	...
<i>S</i> *	33·257	+45·780	1·30	43.6291	9·0	*	44·014	+53·436	2·10	42.6412	8·8	...	54·369	+8·710	-4	...	...
...	33·483	+14·166	-2	...	...	†	44·137	-39·891	-3	...	...	...	54·722	+0·991	-5	<i>m</i>	...
...	33·601	-42·672	-1	...	...	...	44·307	+44·211	-5	...	...	...	54·729	+19·798	-2	...	...
...	33·743	+10·181	-3	...	...	...	44·316	+45·604	-5	...	...	...	54·729	+3·520	-4	...	...
591	+33·991	-55·519	1·10	44.6533	9·8	651	+44·455	-18·329	0·75	...	...	711	+54·763	-46·108	1·00	44.6545	9·9
*	34·128	+13·534	1·05	43.6294	9·5	...	44·615	-36·252	-5	...	...	†	54·889	+13·889	0·65	...	...
*	34·278	+51·529	1·10	43.6293	10·0	*	44·752	-37·396	1·10	44.6541	9·4	...	55·025	-58·081	-4	...	...
...	34·471	-21·382	-5	<i>m</i>	...	...	45·068	-5·368	-5	<i>m</i>	...	...	55·210	-57·115	-1	...	...
...	34·515	-16·932	-3	...	...	...	45·130	+23·391	-5	<i>m</i>	...	...	55·273	-13·542	-1	...	...
...	+34·995	-2·267	-5	<i>m</i>	...	...	+45·796	+14·151	-5	...	...	...	+55·289	+2·716	-5	...	...
...	35·037	-43·085	0·65	...	...	...	45·832	+35·949	-1	...	...	*	56·159	-20·437	1·20	44.6546	9·4
<i>S</i> *	35·133	-34·484	1·20	44.6534	9·1	...	46·000	+10·447	-5	<i>m</i>	...	...	56·408	+14·067	-5	...	...
...	35·265	-21·764	-5	<i>m</i>	...	...	46·023	-14·342	-5	...	...	...	56·557	-22·458	-4	...	...
*	35·286	-55·589	1·00	44.6535	10·0	...	46·221	-24·536	-5	...	...	...	56·648	-27·175	-2	...	...

605, 607. C.P.D., mass.

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.					
	x.	y.	-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.		Mag.	x.	y.	-3.	No.	Mag.	x.	y.	-3.	No.	Mag.
721-730						731-740						741-742															
721	+56.673	-15.501	-5	o	m	731	+57.970	-49.075	-2	o	741	+59.550	+41.313	-5	o	m
...	56.946	-16.669	-5	m	...	...	...	...	58.415	+2.495	0.70	...	...	...	N*	59.578	-8.918	1.30	44.6549	9.2	...	...	...	...	...	...
...	56.968	+52.504	-5	...	...	...	...	...	58.656	+28.622	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	57.140	+24.119	-3	...	...	...	...	...	58.707	+37.853	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	57.141	-31.722	-5	m	...	...	...	...	58.743	-7.103	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	+57.187	-26.806	1.50	44.6547	8.9	...	...	...	+58.968	+14.134	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	57.366	-38.709	-2	...	...	...	...	...	59.103	-52.170	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	57.645	-17.247	-5	...	...	...	...	...	59.162	-10.401	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	57.724	-35.280	1.50	44.6548	8.9	...	...	...	59.304	+41.436	0.95	43.6301	10.0	...	...	...	...	...	...	...	...	...	...	...	...	...
...	57.747	-7.073	0.90	...	...	...	...	...	59.395	-0.858	-5	e	...	...	...	...	...	...	...	...	...	...	...	...	...	...

742. Image faulty.

1-40						41-80						81-120														
I	-59.786	+14.662	-5	o	...	41	-49.141	-35.149	1.40	44.6548	8.9	81	-41.010	-23.992	-5	o	A	...	...	...	...	...	...	...	...	...
...	59.411	+30.239	-3	...	...	...	48.510	-0.693	-5	E	...	...	40.156	-13.787	1.00	44.6553	9.5	...	...	...	...	...	...	...	...	...
...	59.281	+43.229	-5	...	...	...	48.481	-48.930	-4	...	...	...	40.072	+7.834	-4	...	...	...	...	...	...	...	...	...	...	...
...	59.150	-36.970	-5	...	...	...	48.178	+46.396	-5	...	...	...	39.502	+38.588	0.80	43.6308	10.0	...	...	...	...	...	...	...	...	...
...	58.937	+0.127	-5	E	...	*	48.079	-8.748	1.10	44.6549	9.2	...	39.467	+11.238	-5	...	...	...	...	...	...	...	...	...	...	...
...	-58.730	+44.211	-5	...	...	*	-47.998	+57.307	1.20	42.6420	9.6	*	-39.449	+6.861	1.00	43.6307	9.7	...	...	...	...	...	...	...	...	...
...	58.090	-26.693	-5	...	...	...	47.242	-51.980	-5	...	...	...	39.440	+20.669	-2	...	...	...	...	...	...	...	...	...	...	...
...	57.466	+29.520	-5	...	...	...	47.021	+13.545	-5	...	...	...	39.417	-58.390	-4	...	...	...	...	...	...	...	...	...	...	...
S*	57.175	-33.040	1.70	44.6542	8.9	...	46.577	+3.856	-1	...	...	...	39.132	+36.685	-4	...	...	...	...	...	...	...	...	...	...	...
...	57.082	-36.551	-5	E	...	*	46.484	-6.992	1.20	43.6302	9.2	*	38.276	+20.130	1.00	43.6310	9.9	...	...	...	...	...	...	...	...	...
11						51						91														
*	-56.836	-9.793	1.00	44.6543	9.7	*	-46.223	-32.383	1.40	44.6550	9.0	...	-38.196	+13.470	-2	...	...	...	...	...	...	...	...	...	...	...
...	56.783	-16.347	-5	...	...	...	46.002	-12.200	-5	...	...	...	38.094	+3.601	0.65	43.6309	10.0	...	...	...	...	...	...	...	...	...
...	56.716	-5.536	-5	...	...	...	45.940	+46.955	-4	...	...	...	38.031	-24.226	-3	...	...	...	...	...	...	...	...	...	...	...
...	56.644	+22.023	0.85	43.6300	10.0	...	45.778	-3.078	-3	...	...	...	37.568	+1.716	0.75	43.6311	10.0	...	...	...	...	...	...	...	...	...
...	55.553	-47.326	-5	...	...	...	45.288	-58.988	0.90	44.6551	9.5	...	37.516	+37.762	-4	...	...	...	...	...	...	...	...	...	...	...
...	-54.578	-30.541	0.90	44.6544	10.0	...	-45.021	+38.302	-4	...	...	...	-37.280	-41.186	-5	...	...	...	...	...	...	...	...	...	...	...
...	54.237	-15.704	-4	...	...	...	44.948	-26.384	0.70	...	...	...	36.724	+22.480	-5	...	...	...	...	...	...	...	...	...	...	...
...	53.918	-31.210	-5	...	...	...	44.873	-52.186	-1	...	...	...	36.651	+48.018	-5	...	...	...	...	...	...	...	...	...	...	...
...	53.817	+8.712	-5	...	...	...	44.819	-36.786	-5	...	...	...	36.448	-35.779	1.00	44.6554	9.5	...	...	...	...	...	...	...	...	...
...	53.588	-40.115	-4	...	...	...	44.735	+0.627	-5	...	...	...	36.242	+42.334	0.95	43.6313	10.0	...	...	...	...	...	...	...	...	...
21						61						101														
...	-53.447	+13.918	-2	...	...	...	-44.609	-26.050	-5	...	...	...	-36.212	-18.749	-4	...	...	...	...	...	...	...	...	...	...	...
...	53.308	+3.532	-5	...	...	*	44.504	+3.516	1.00	43.6303	10.0	...	36.105	+8.439	-5	...	...	...	...	...	...	...	...	...	...	...
...	53.039	-57.760	-5	...	...	...	44.421	+41.481	-5	...	...	...	35.874	+11.192	1.00	43.6312	9.5	...	...	...	...	...	...	...	...	...
...	52.251	-13.507	-3	...	...	*	44.164	+5.629	1.00	43.6306	9.7	...	35.664	+34.980	-4	...	...	...	...	...	...	...	...	...	...	...
...	51.771	-46.068	0.90	44.6545	9.9	...	43.985	-1.283	0.90	43.6304	10.0	...	35.213	+27.918	-1	43.6315	10.0	...	...	...	...	...	...	...	...
...	-51.514	+24.201	-5	...	...	...	-43.871	-0.934	0.80	43.6305	10.0	+	-35.177	-7.334	1.00	43.6314	9.4	...	...	...	...	...	...	...	...	...
...	51.141	-58.027	-5	...	...	...	43.864	-19.639	-4	...	...	*	35.100	+28.593	1.10	43.6316	9.4	...	...	...	...	...	...	...	...	...
*	51.140	-20.382	1.20	44.6546	9.4	...	43.830	-52.367	0.90	44.6552	9.8	S	34.815	+37.205	1.33	43.6317	8.9	...	...	...	...	...	...	...	...	...
...	50.994	-57.051	-2	...	...	...	43.616	-0.546	-5	α	...	...	34.108	+33.189	0.90	43.6318	9.9	...	...	...	...	...	...	...	...	...
...	50.689	-22.370	-5	...	...	...	43.542	+22.699	-5	A	...	...	33.946	-33.385	1.05	44.6555	9.5	...	...	...	...	...	...	...	...	...
31						71						111														
...	-50.443	-27.089	-3	...	...	...	-43.506	+52.581	0.90	42.6423	9.9	...	-33.785	+35.076	-5	A	...	...	...	...	...	...	...	...	...	...
...	50.142	+28.749	-2	...	...	...	43.343	-15.574	-5	...	...	*	33.678	-33.618	1.10	44.6556	9.5	...	...	...	...	...	...	...	...	...
...	49.965	-6.957	-1	...	...	...	43.340	+12.961	-5	...	...	*	33.259	+37.895	1.15	43.6319	9.2	...	...	...	...	...	...	...	...	...
*	49.931	-26.684	1.50	44.6547	8.9	...	43.031	+22.287	-5	...	...	...	32.694	-17.652	0.75	44.6557	10.0	...	...	...	...	...	...	...	...	...
...	49.877	+41.586	0.90	43.6301	10.0	...	42.004	-55.519	-5	...	...	...	32.632	-8.583	-5	...	...	...	...	...	...	...	...	...	...	...
...	-49.756	-17.138	-5	...	...	...	-41.862	-19.803	-5	...	...	...	-31.913	+8.072	-5	...	...	...	...	...	...	...	...	...	...	...
...	49.595	+2.629	-2	...	...	...	41.469	+24.414	-5	...	...	...	31.347	-10.516	0.85	44.6558	10.0	...	...	...	...	...	...	...	...
...	49.397	+14.280	-5	...	...	...	41.198	-23.350	-5	...	...	...	31.304	-27.688	-5	...	...	...	...	...	...	...	...	...	...	...
...	49.382	-38.589	-5	...	...	...	41.162	+9.892	-4	...	...	...	30.828	+45.932	0.65	43.6320	10.0	...	...	...	...	...	...	...	...	...
...	49.196	+51.958	-5	...	...	...	41.066	-34.384	-5	...	...	...	30.689	-30.919	-4	...	...	...	...	...	...	...	...	...	...	...

S measured from 1, 126, 257, 388.
SB " " 56, 199,

Notes.	Co-ordinates.		Diam. - 4.	C.P.D.		Notes.	Co-ordinates.		Diam. - 4.	C.P.D.		Notes.	Co-ordinates.		Diam. - 4.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
121-180						181-240						241-300						
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
...	-30°628	-57°948	- 1	44.6559	10·0	...	-18°825	+ 7°207	- 4	...	...	...	- 4°037	+45°812	1·00	43.6335	9·6
...	30°476	- 0°713	- 5	M	...	...	18°524	-16°768	- 5	M	...	...	4°024	-58°982	1·10	44.6574	9·4
...	30°467	-47°398	- 3	...	...	...	18°361	+ 9°545	- 4	...	...	...	3°614	+42°675	- 3	...	...
...	30°465	+46°837	- 5	...	...	...	18°218	+34°048	- 4	...	...	...	2°812	+ 8°519	0·85	43.6336	10·0
...	30°454	+16°119	- 5	...	...	...	17°838	- 7°901	- 5	...	...	...	2°481	+54°053	- 4	...	...
*	-29°780	+57°935	1·20	42.6437	9·2	...	-17°494	+22°737	0·90	43.6327	9·9	...	- 2°393	+41°506	- 5	...	...
...	29°500	-20°412	- 5	...	...	...	17°319	+ 6°143	- 5	M	...	...	2°325	+ 6°810	0·90	43.6337	9·9
...	29°118	-30°401	0·80	44.6560	10·0	...	17°266	+25°005	- 4	...	...	...	2°271	+10°244	- 5	M m	...
...	29°100	+43°524	0·75	43.6321	10·0	...	17°152	+47°086	0·80	43.6328	10·0	...	2°096	+ 7°192	- 4	...	...
...	29°046	-38°237	- 5	...	...	...	17°140	+ 5°734	- 5	M	...	...	1°925	+38°850	0·95	43.6338	10·0
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
†	-28°965	-44°898	0·80	44.6561	10·0	...	-17°120	+53°015	- 5	...	...	...	- 1°801	-20°296	0·65	...	...
...	28°809	+10°079	- 4	...	...	...	17°003	-39°757	- 5	...	...	...	1°211	+ 6°564	1·00	43.6339	9·9
...	28°047	+35°123	- 5	A	...	...	16°459	+ 7°604	- 5	...	...	...	1°156	-15°004	- 4	...	...
...	28°042	+ 7°684	- 5	...	...	S*	16°303	-54°173	2·00	44.6568	8·4	...	1°041	+17°880	- 5	...	...
...	27°942	- 3°466	- 5	...	...	...	15°973	+27°763	- 5	...	...	...	0°899	- 1°890	- 5	M	...
...	-27°907	-33°501	- 5	M	...	...	-15°583	+16°718	- 4	...	...	...	- 0°665	+ 7°216	- 3	...	...
...	27°863	-22°379	- 4	...	...	...	15°493	-43°475	- 4	...	...	...	0°165	+50°530	- 2	...	...
S*	27°842	+ 8°052	1·13	43.6322	9·4	...	15°467	-43°625	- 5	...	...	...	- 0°036	-10°575	- 5	M	...
...	27°479	+ 2°191	- 2	...	...	...	14°917	-34°670	- 4	...	...	...	+ 0°167	-35°505	- 5	...	...
...	27°206	-14°745	- 5	...	...	...	14°867	+20°746	- 3	...	...	...	0°575	+33°454	- 4	...	...
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
...	-26°741	-29°309	- 5	...	...	...	-14°421	-48°272	- 5	...	...	...	+ 0°912	-25°791	0·90	44.6575	10·0
...	26°377	+48°718	- 5	...	...	...	14°230	+28°218	- 5	...	...	...	1°203	- 8°742	- 4	...	...
S*	26°341	-20°382	1·25	44.6563	8·9	...	13°987	-22°146	- 5	M	...	...	1°309	-50°753	- 4	...	...
†	26°250	-54°867	- 4	...	...	...	13°889	+35°734	- 5	...	...	...	1°372	-43°188	- 5	M	...
...	25°959	-34°094	0·90	44.6564	10·0	...	13°868	+45°755	- 5	...	...	...	1°939	+44°152	- 5	...	...
...	-25°857	- 5°871	0·90	43.6323	9·9	...	-13°464	-55°793	- 4	...	...	...	+ 2°118	+50°696	0·85	43.6340	10·0
...	25°566	+12°177	- 4	...	...	...	13°460	- 8°892	- 3	...	...	...	2°280	-29°332	- 5	...	...
...	25°060	-35°983	- 2	...	...	...	13°435	+ 9°000	0·70	43.6329	10·0	...	2°358	-39°841	0·90	44.6576	9·9
...	24°522	-18°088	- 3	...	...	...	13°306	-26°192	1·00	44.6569	9·7	...	2°542	-56°420	- 5	M	...
...	24°320	+ 6°357	- 3	...	...	...	13°300	+23°594	- 4	...	...	...	2°901	+38°055	0·65	...	...
151	...	...	...	...	...	211	...	...	...	...	...	271	...	...	...	...	...
...	-24°116	+50°361	- 4	...	...	...	-13°217	-51°078	- 5	...	...	...	+ 2°945	-24°763	- 5	M	...
...	24°007	-46°279	- 4	...	...	...	12°606	-53°618	- 4	...	...	...	3°022	+34°931	- 5	...	...
...	23°964	+55°388	- 5	...	...	...	12°477	+58°124	- 5	...	...	...	3°102	-32°685	- 5	...	...
...	23°867	+30°436	- 5	...	...	...	12°394	-12°591	- 5	...	...	...	3°327	-26°776	- 5	...	...
...	23°519	+28°273	- 5	...	...	...	12°022	-41°409	- 1	44.6570	10·0	...	3°328	+21°546	- 3	...	...
...	-23°102	+22°597	- 5	...	...	...	-11°972	+51°923	- 5	...	...	...	+ 3°402	+50°337	- 2	...	...
...	22°726	-36°734	0·85	44.6565	10·0	...	11°911	+32°299	- 5	B	...	...	3°556	-39°224	- 5	M	...
...	22°479	- 6°472	- 5	M	...	...	11°614	-39°584	- 5	...	...	...	3°602	-40°260	- 5	...	...
...	22°341	- 5°458	- 5	...	...	...	11°159	+ 9°099	0·90	43.6330	9·9	...	3°895	- 2°931	- 5	M	...
*	22°245	+57°697	1·00	42.6442	9·6	*	10°915	+ 0°656	1·35	43.6331	8·9	...	4°399	+58°818	0·80	42.6455	9·9	
161	...	...	...	...	...	221	...	...	...	...	...	281	...	...	...	...	...
*	-22°155	+33°339	2·00	43.6324	8·7	...	-10°486	+ 3°563	- 5	†	+ 4°563	- 8°994	0·80	44.6578	10·0
...	22°109	-31°887	- 5	9°099	+14°531	- 5	4°654	+32°616	- 5
...	21°827	-14°461	- 3	8°991	-11°122	- 5	M	4°790	-18°182	0·80
*	21°597	+29°535	1·00	43.6325	9·6	*	8°783	-37°275	1·10	44.6571	9·4	5°016	+ 1°712	- 3
...	21°561	-35°442	- 5	8°530	+58°793	- 5	5°629	+ 4°754	0·75
...	-21°551	-12°228	- 5	S*	- 7°572	+39°145	1·23	43.6332	8·8	+ 5°682	+55°393	0·85	42.6458	10·2
...	21°295	-39°638	- 1	7°343	+52°775	- 5	5°882	+56°102	- 5
*	20°946	-47°077	1·20	44.6566	9·4	...	7°193	+37°626	- 5	6°040	-14°264	0·90	44.6579	9·9
...	20°888	- 8°523	- 2	6°735	+56°065	- 5	6°266	-13°271	- 5
...	20°741	+12°781	- 5	6°662	+25°047	- 3	6°290	-11°732	- 5
171	...	...	...	...	...	231	...	...	...	...	...	291	...	...	...	...	...
...	-20°589	+29°999	- 4	*	- 6°637	- 5°743	2·00	43.6333	8·4	+ 6°464	+28°898	- 5
...	20°548	+13°313	- 2	6°198	-57°640	- 4	6°627	-59°427	- 5
...	20°543	-11°272	- 5	M	6°138	+29°238	- 2	6°730	-37°596	1·00	44.6580	9·7
...	20°215	+21°727	- 4	5°648	+54°280	- 5	S*	...	6°999	+49°694	1·25	43.6341	9·1
...	20°150	+51°143	0·90	43.6326	10·0	...	5°324	+21°699	- 5	7°042	+52°428	- 4
...	-19°763	+42°652	0·75	*	- 4°892	- 9°492	2·10	44.6572	8·4	+ 7°522	+56°873	- 5
...	19°648	+15°931	0·80	*	4°782	+21°982	1·05	43.6334	9·4	7°536	+42°892	- 5
...	19°172	-14°309	0·80	44.6567	10·0	...	4°641	-59°438	- 5	7°583	+21°586	- 4
...	19°159	+ 0°140	- 5	β	4°522	-35°624	0·65	44.6573	10·0	7°899	+40°909	- 5
...	19°061	- 4°162	- 5	M	4°519	+ 8°522	- 5	M	8°448	+ 7°448	- 3

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-360						361-420						421-480					
301	+ 8.514	+53.335	- 3	...	...	361	+22.178	+17.948	- 4	...	...	421	+37.286	+40.065	- 5	...	...
...	8.580	-25.597	- 3	...	...	...	22.229	-38.330	- 5	...	...	...	37.367	+47.274	- 4	...	...
...	8.687	+55.161	0.90	42.6461	9.9	*	22.415	+40.508	1.00	43.6349	10.0	...	38.264	-13.794	- 3	...	...
...	8.945	-44.381	- 5	...	...	...	22.527	+41.891	0.80	...	...	...	38.318	-22.352	- 3	...	...
†	9.214	-20.009	- 4	...	...	...	23.008	+31.881	- 5	...	...	...	38.522	- 7.924	- 3	...	...
...	+ 9.310	- 5.964	- 5	...	...	...	+23.259	-58.191	0.65	...	...	...	+38.728	- 1.280	0.90	43.6356	10.0
...	9.477	- 2.874	- 5	...	...	...	23.570	-42.695	- 4	...	...	...	39.136	-28.516	- 5	...	...
...	9.489	+ 9.787	0.65	43.6342	10.0	...	23.860	-41.413	- 5	...	...	...	39.465	-36.630	- 5	...	...
*	9.500	-36.936	1.00	44.6581	9.8	...	24.217	-47.099	- 5	...	...	*	40.339	-14.193	1.20	44.6602	9.4
†	9.532	+19.623	- 2	43.6343	10.0	...	24.611	+17.018	- 4	...	...	...	40.452	- 4.409	- 5	...	...
311	+ 9.680	-27.141	0.80	...	...	371	+24.995	-58.361	- 5	...	...	431	+40.701	+46.805	0.80	43.6357	10.0
†	9.707	+22.189	- 5	...	...	*	25.010	+44.191	0.95	43.6350	10.0	*	40.737	+20.256	1.00	43.6358	10.0
...	9.854	-47.447	- 5	...	...	*	25.022	-18.179	1.40	44.6594	8.6	...	40.845	-49.668	- 5	...	...
...	10.501	- 9.449	- 4	...	...	...	25.365	-21.469	- 4	...	...	...	41.272	+15.693	- 5	...	...
...	10.623	+10.335	0.85	43.6344	10.0	...	25.533	- 8.876	- 4	...	...	...	41.326	- 9.348	- 3	...	...
...	+10.775	+28.527	0.75	...	...	*	+25.866	+37.082	1.00	43.6351	9.5	*	+41.636	-40.224	1.05	44.6603	9.5
...	11.048	-23.569	0.90	44.6582	10.0	...	26.169	-56.170	- 5	...	...	...	41.700	-33.090	- 5	...	...
...	11.273	+27.770	- 1	...	...	...	26.624	- 7.446	- 4	...	...	...	42.380	+ 6.016	0.90	43.6359	10.0
...	11.390	-32.200	- 5	...	...	...	26.683	+48.662	- 5	...	...	...	42.507	-23.104	0.85	44.6604	10.0
...	11.514	-26.505	- 5	...	...	S *	26.847	-19.025	8.00	44.6595	4.3	...	43.643	+50.527	- 5	...	...
321	+11.836	- 9.173	- 4	...	...	381	+27.352	+ 5.674	- 4	...	...	441	+43.835	-50.585	0.70	44.6605	9.9
...	11.856	+15.048	- 4	...	...	...	27.488	+16.147	- 5	...	...	*	43.988	+15.555	1.60	43.6360	8.7
...	12.311	+27.504	0.70	...	...	...	27.860	-36.264	- 5	...	...	...	44.976	+34.546	0.80	43.6361	10.0
*	12.662	-49.982	1.10	44.6584	9.4	...	28.130	-57.102	- 4	...	...	...	45.139	-27.011	- 4	...	...
...	12.686	+14.275	- 2	...	...	...	28.380	- 2.862	- 5	...	...	...	45.507	-48.285	- 5	...	...
...	+12.933	-14.660	- 5	...	...	...	+28.414	+21.128	- 1	...	...	...	+45.585	- 8.284	- 5	...	...
...	13.621	+26.594	- 5	...	...	*	28.430	-49.752	1.40	44.6596	8.9	...	46.315	+23.443	0.90	...	...
...	13.827	+37.189	- 5	...	...	...	29.932	-11.380	- 5	...	...	...	46.319	-15.557	- 4	...	...
...	14.051	+13.052	- 5	m	...	...	29.998	-29.540	- 5	...	...	...	46.396	-32.134	- 5	...	...
†	14.651	- 0.614	- 2	43.6345	10.0	...	30.117	+33.714	- 4	...	...	...	46.495	-24.061	- 1	...	...
331	+15.002	+24.042	- 4	...	...	391	+30.470	+12.374	- 5	...	...	451	+47.154	+46.516	0.80	43.6362	9.9
...	15.292	+ 3.650	- 3	...	...	...	30.479	+10.713	- 4	...	...	...	48.155	+39.304	- 5	...	...
...	15.359	-55.626	0.95	44.6585	9.9	*	30.525	+ 6.015	1.00	43.6352	9.9	...	48.189	-43.049	- 5	...	...
...	15.407	+20.093	- 2	...	...	...	31.336	-53.876	- 5	...	...	*	48.343	+ 9.505	1.10	43.6364	9.2
*	15.547	-42.819	1.00	44.6586	9.8	S *	31.377	-58.948	2.80	44.6598	7.7	...	48.478	+ 8.755	- 3	...	...
...	+15.566	+35.638	0.95	43.6346	10.0	*	+31.511	-34.787	1.00	44.6597	9.7	*	+48.480	+17.347	1.00	43.6363	9.6
S †	15.800	-54.844	2.20	44.6587	8.4	...	32.055	+48.658	- 5	...	...	...	49.752	+ 8.757	- 3	...	...
...	16.121	-33.322	- 4	...	...	...	32.074	-17.933	- 2	...	...	...	49.801	-22.735	- 5	...	...
...	16.353	+47.198	- 5	...	...	...	32.204	-46.857	- 5	...	...	...	49.870	+12.791	- 5	...	...
...	16.360	+42.417	- 5	...	...	...	32.327	-21.698	- 3	...	...	*	49.892	-52.461	1.50	44.6607	9.1
341	+16.538	-14.056	- 5	...	...	401	+32.493	-13.275	- 4	...	...	461	+50.043	-17.625	- 5	...	...
...	16.854	+41.789	- 5	...	...	...	32.568	-52.538	- 5	...	...	...	50.108	-48.239	0.65	44.6608	10.0
...	17.098	-59.166	- 5	...	...	...	32.670	+39.508	- 5	...	...	...	50.188	+ 9.363	- 2	...	...
...	17.232	-33.686	- 5	...	...	...	32.881	+22.198	0.80	...	...	...	50.215	+13.454	- 5	...	...
...	17.432	+30.777	0.85	43.6347	10.0	*	33.002	-36.930	1.00	44.6599	9.8	...	50.299	+38.655	- 3	...	...
...	+17.724	-49.267	0.90	44.6588	10.0	...	+33.191	+49.512	- 5	...	...	...	+50.330	-18.295	- 2	...	...
...	18.149	-57.071	0.65	44.6589	10.0	...	33.619	+10.301	0.65	...	...	...	50.963	- 0.745	0.70	...	...
...	18.206	- 4.161	- 5	...	...	...	34.832	+13.554	- 5	...	...	...	51.641	-15.625	- 3	...	...
*	18.685	-43.464	1.10	44.6590	9.4	...	34.930	-34.560	- 5	...	...	...	51.742	+14.506	0.65	43.6365	10.0
*	18.760	- 1.462	1.00	43.6348	9.5	...	35.431	-55.177	- 5	...	...	*	51.823	+29.990	1.00	43.6366	9.7
351	+18.995	+46.215	- 5	...	...	411	+35.662	+47.343	- 5	...	...	471	+51.830	-30.178	- 1	44.6609	10.0
†	19.591	-13.198	- 4	...	...	...	35.701	+15.086	- 4	...	...	...	52.064	-24.607	- 5	...	...
...	19.695	+31.365	- 4	...	...	*	35.872	-42.995	1.00	44.6600	9.7	...	52.150	+39.344	0.90	43.6367	9.8
...	19.796	-15.822	- 5	...	...	...	35.942	-10.538	- 5	...	...	...	52.325	- 2.404	- 5	...	...
...	20.427	+13.814	- 5	...	...	*	36.141	+11.880	1.30	43.6355	9.0	*	52.397	-28.150	1.00	44.6610	9.4
...	+20.490	+28.958	- 4	...	...	...	+36.195	+39.447	- 4	...	...	...	+52.776	-16.787	- 4	...	...
...	21.376	-49.611	- 2	...	...	...	36.223	-28.940	- 5	...	...	...	52.941	-43.050	- 5	...	...
...	21.613	+58.035	- 2	42.6466	10.2	...	36.264	+41.963	0.90	43.6353	10.0	*	52.960	-10.305	1.00	44.6611	9.6
...	21.856	-16.808	0.70	44.6592	10.0	S *	36.398	+46.852	2.00	43.6354	8.6	...	53.034	- 7.227	- 5	...	...
...	22.049	+13.405	- 4	...	...	*	36.618	-45.753	1.10	44.6601	9.6	...	53.690	-51.848	- 5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
481-490						491-499											
481 S *	+53°905	+16°858	3·10	43.6368	7·3	491 ...	+57°446	+16°375	0·85	43.6371	10·0	...					
...	54°020	+ 4°375	- 2	...	...	...	* 58°529	+50°638	1·10	43.6372	9·6	...					
...	54°905	-52°929	- 4	...	...	...	58°789	+40°486	0·65	43.6373	10·0	...					
...	55°734	-24°652	- 5	...	...	...	59°016	+45°153	- 4	43.6374	9·9	...					
...	55°842	+56°899	- 5	...	...	...	* 59°026	+28°160	1·00	43.6375	9·7	...					
...	+55°889	+18°587	0·90	43.6369	10·0	...	...	+59°130	-19°276	0·65	...	...			
...	56°151	+45°049	- 5	...	...	...	...	59°254	+11°100	- 5	...	...			
...	* 56°572	+ 8°415	1·05	43.6370	9·4	...	...	* 59°364	-48°889	1·35	44.6615	9·2	...				
...	57°197	+11°509	- 2	...	...	...	...	* 59°395	-32°149	1·00	44.6614	9·5	...				
...	57°374	+32°405	- 5	...	...	...	...						

1-40						41-80						81-120									
I †	-59°867	+ 9°340	1·25	43.6364	9·2	41 ...	-55°105	-24°650	- 4	...	...	81 ...	-48°918	+ 0°361	- 3	...	...		
...	59°811	+42°091	- 5	...	...	...	† 54°925	+18°608	- 5	M	...	...	48°716	+33°022	- 5	...	...		
...	59°725	+ 8°585	0·75	...	...	...	54°788	+20°182	- 5	...	...	...	48°595	+30°118	- 4	...	...		
...	59°329	+54°331	- 5	...	...	...	* 54°673	-28°175	1·00	44.6610	9·4	...	48°428	-21°065	- 5	...	...		
...	58°918	+11°157	0·65	...	...	...	* 54°664	-10°377	1·00	44.6611	9·6	...	48°388	+32°139	0·90	...	...		
...	-58°810	+38°534	0·65	...	...	...	...	-54°643	-16°807	0·65	...	...	...	-48°349	- 2°461	- 5	...	...	
...	58°636	-14°700	- 5	...	...	...	...	S * 54°524	+16°854	3·00	43.6368	7·3	...	48°203	-19°106	0·70	...	...	
...	58°454	+12°666	- 4	...	...	...	...	54°049	+ 4°390	0·90	...	...	...	48°143	-47°752	- 4	...	...	
...	58°450	+ 8°641	0·70	...	...	...	...	53°851	- 3°176	- 5	...	...	...	48°140	- 4°360	- 2	...	...	
...	58°418	-43°206	- 4	...	...	...	...	53°828	+56°947	- 1	...	...	...	47°996	+22°586	- 1	...	...	
II	...	...	...	...	...	51 ...	...	-53°685	-43°070	- 4	...	...	91 ...	-47°847	-41°980	- 4	...	...	
...	-58°140	+ 2°472	- 5	M	...	...	...	53°155	+45°102	- 4	...	...	...	47°727	+42°085	- 4	...	...	
...	58°125	+13°344	- 2	...	...	...	...	52°684	-51°846	- 5	...	...	...	* 47°556	-31°969	1·00	44.6614	9·5
...	58°039	+ 9°265	0·85	...	...	...	...	* 52°615	+18°649	1·00	43.6369	10·0	...	47°459	- 1°505	- 5	...	...	
...	57°886	- 3°991	- 4	...	...	...	...	52°255	-27°802	- 5	...	...	...	47°162	-34°658	- 3	...	...	
...	† 57°860	+39°835	- 5	...	...	...	...	...	-51°925	+37°125	- 5	M	...	...	+10°548	- 3	...	...	
...	-57°858	+12°433	- 5	M	...	...	...	...	51°886	-23°182	- 5	...	...	* 47°080	+10°548	- 3	...	...	
...	57°718	+28°551	- 5	...	...	...	...	...	* 51°866	-23°182	- 5	...	...	47°075	-48°696	1·20	44.6615	9·2
...	57°705	+51°203	- 5	51°620	+ 8°500	1·05	43.6370	9·4	...	46°750	+20°731	- 5		
...	57°587	-40°227	- 5	51°567	+32°507	- 2	46°619	+ 3°361	- 5	M	...		
...	57°507	+ 9°531	- 5	M	51°560	+ 2°984	- 5	46°590	+19°000	- 4	B	...		
21	61	-51°444	-24°583	- 2	-46°537	+ 0°799	- 3		
...	-57°426	-22°833	- 5	...	...	...	...	51°396	-52°886	- 1	...	...	...	† 46°278	-19°886	- 4	...	...	
...	57°359	-17°736	- 3	51°134	- 0°711	- 5	46°134	+22°862	- 4		
...	57°040	-18°391	0·70	51°088	+11°608	0·75	46°096	- 1°454	0·70		
...	* 56°987	+ 0°665	0·90	50°981	+16°490	0·90	43.6371	10·0	46°092	+33°270	0·90		
...	* 56°982	+39°285	1·00	43.6367	9·8	* 50°960	+50°762	1·10	43.6372	9·6	...	S *	-45°872	-33°479	1·40	44.6616	8·9		
...	...	+26°918	1·00	43.6366	9·7	50°386	+40°620	0·95	43.6373	10·0	45°832	+25°360	- 4	
...	...	+ 7°144	- 5	50°338	-23°260	- 5	45°528	-16°955	- 5		
...	...	+21°707	- 5	M	50°329	-40°781	- 5	45°489	+42°205	- 4		
...	...	+ 7°061	- 5	M	50°294	+45°290	1·00	43.6374	9·9	45°228	+ 0°388	- 3	
...	56°635	+56°590	- 5	71	-50°139	-32°747	- 5	-44°805	- 7°217	0·70	
31 *	-56°628	+14°432	0·95	43.6365	10·0	† 49°962	-22°531	- 5	44°764	-59°749	- 4	
...	* 56°424	-52°566	1·80	44.6607	9·1	49°858	-29°027	- 5	44°737	+17°212	- 5	
...	...	-48°331	- 1	44.6608	10·0	* 49°770	+28°312	1·00	43.6375	9·7	44°702	-29°671	- 4	
...	...	- 6°466	- 4	-47°447	- 5	44°554	+32°419	- 5	M	...	
...	...	-15°677	0·70	-18°498	- 5	-44°232	-30°964	- 5	M	...
...	...	+ 2°361	- 3	+55°230	- 3	44°220	-17°210	0·80	44.6617	10·0
...	† 55°404	+ 4°919	- 5	M	+35°264	- 3	44°196	+33°502	- 4
...	...	+28°508	- 5	+11°256	- 2	43°289	-26°297	- 5
...	...	-30°217	0·75	44.6609	10·0	-48°919	+10°481	- 5	M	43°283	+38°359	0·90	43.6376	10·0
...	...	+ 7°198	- 2					

L measured from 1, 148, 283, 383, 501, 635.
 MC " " 72, 214, 328, 434, 559, 700.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-3.		No.	Mag.		x.	y.	-3.		No.	Mag.		x.	y.	-3.		No.	Mag.
121-180						181-240						241-300								
121	-43.209	+27.366	-5	M	...	181	-35.710	-9.259	0.80	44.6621	10.0	241	-25.310	+10.770	-4	...	...	
...	43.177	-34.407	-2	...	...	...	35.634	+11.789	-5	M	...	...	25.272	+22.677	-4	...	...	
...	42.847	-7.724	-5	...	...	...	35.618	+35.450	0.70	...	...	...	25.225	+29.110	-4	...	...	
...	42.836	-32.848	-5	...	...	...	35.281	-20.315	-5	...	...	...	25.162	-5.553	-4	...	...	
...	42.814	-32.788	-4	...	...	...	35.236	+58.598	-5	M	...	...	24.783	-3.647	-4	...	...	
...	-42.625	-6.666	-5	M	...	...	-35.234	+53.645	-1	...	...	...	-24.658	-21.124	-3	...	...	
...	42.536	-21.023	-4	...	...	...	34.872	+17.370	1.00	43.6386	9.5	...	24.333	+49.093	-3	...	...	
...	42.247	+33.047	-3	...	...	...	34.604	-49.326	-2	...	...	...	24.176	+52.795	-4	...	...	
...	42.166	+15.871	-3	...	...	...	34.580	+2.558	-2	...	...	...	24.060	-36.388	-4	...	...	
*	42.111	+4.834	1.00	43.6377	10.0	...	34.392	+24.268	-5	...	...	...	24.004	-30.967	-4	...	...	
131	-41.893	-48.528	-1	44.6619	10.0	191	-34.365	+51.405	-5	...	...	251	-23.947	+16.789	0.75	...	...	
*	41.861	-58.848	1.10	44.6618	9.6	...	34.025	-51.549	0.80	...	...	...	23.885	+31.083	-4	...	...	
...	41.506	-13.437	-2	...	...	...	34.021	+46.360	-5	...	...	...	23.872	+36.243	-3	...	...	
...	41.440	-52.396	-4	...	...	...	33.850	-1.184	-4	...	...	...	23.816	+45.975	0.75	...	...	
...	41.358	+3.461	-4	M	...	...	33.052	+53.038	-3	...	...	...	23.804	-52.639	-1	...	...	
...	-41.308	-7.653	-4	...	...	...	-32.648	+59.081	-4	...	...	...	-23.648	-38.943	0.75	44.6626	10.0
†	41.297	-29.876	-3	...	...	...	32.582	+35.468	-3	...	...	...	23.594	+56.791	1.15	42.6516	9.5
...	41.196	+8.553	-5	...	...	...	32.510	+41.960	0.65	...	...	S *	23.528	-8.066	2.85	44.6627	8.2
...	40.474	+48.060	-3	...	...	...	32.396	+3.963	-5	M	...	...	23.361	+26.566	-2	...	...	
...	40.461	-33.921	-4	...	...	...	32.392	-43.065	0.70	44.6622	10.0	...	23.235	-0.584	-3	...	...	
141	-40.400	+46.898	-3	...	...	201	-31.801	+10.877	1.05	43.6387	9.7	261	-23.064	+38.729	-4	...	...	
...	40.310	-0.604	-4	...	...	...	31.735	+8.069	-1	...	...	...	23.062	+36.548	1.20	43.6391	9.4
...	40.205	+0.712	0.70	...	...	...	31.656	+48.399	1.00	43.6388	9.4	...	23.013	+55.359	-4	...	...	
*	40.199	-5.400	1.40	43.6378	9.4	...	31.487	-0.417	0.75	...	...	...	22.955	+4.066	-5	...	...	
...	40.168	+20.362	0.80	43.6379	10.0	...	31.128	+37.220	-4	...	...	...	22.949	-55.396	0.65	44.6628	10.0
...	-40.166	-43.171	-4	...	...	...	-30.874	+19.306	-4	...	...	...	-22.901	+27.125	0.65	...	...	
...	40.082	+48.011	0.75	...	...	...	30.602	+56.555	-5	...	...	...	22.706	+55.322	-4	...	...	
†	39.950	+42.523	0.80	...	...	...	30.399	-38.084	0.90	...	...	...	22.454	+38.649	-4	...	...	
*	39.761	+33.661	1.00	43.6381	9.8	...	30.398	-35.941	0.85	44.6623	10.0	...	22.322	+40.299	-2	...	...	
...	39.673	+20.832	-2	...	...	...	30.344	+36.771	-5	...	...	...	22.263	+43.755	-3	...	...	
151	-39.587	-2.214	1.15	43.6380	9.2	211	-30.311	-23.964	-5	...	...	271	-22.094	+16.190	-5	...	...	
...	39.135	+9.476	0.95	43.6382	10.0	...	30.289	+19.857	-4	...	...	...	21.946	+22.996	-5	...	...	
...	39.044	-3.754	0.70	...	...	...	30.278	-30.788	-4	...	...	...	21.850	-37.936	1.00	44.6629	9.9
...	38.967	-58.039	-5	...	...	...	30.015	-17.793	-4	...	...	...	21.733	-51.101	-3	...	...	
...	38.892	-24.113	0.70	...	...	...	30.013	-17.711	-3	...	...	...	21.717	+23.893	-5	...	...	
...	-38.731	+28.893	-5	...	...	...	-29.979	-30.539	1.00	44.6624	9.8	...	-21.676	+21.783	-4	...	...	
...	38.724	+23.725	-4	...	...	...	29.803	+46.178	-4	...	...	...	21.237	+31.298	-3	...	...	
...	38.635	+19.420	0.90	43.6383	10.0	...	29.754	-46.699	-4	...	...	...	21.201	+23.922	-5	...	...	
...	38.635	-35.254	0.90	44.6620	10.0	...	29.693	+53.471	-5	...	...	...	21.121	+38.918	-4	...	...	
†	38.298	+24.972	-4	...	...	...	29.477	+39.995	-4	M	...	...	20.729	-24.739	-3	...	...	
161	-38.248	-35.309	-3	...	...	221	-29.412	+56.947	-3	...	...	281	-20.241	-3.135	-4	...	...	
...	38.228	-8.338	-5	...	...	...	29.015	-8.938	-4	...	...	...	20.156	-38.825	-2	...	...	
†	38.209	-9.994	-4	...	...	...	28.540	-5.874	-2	...	...	...	19.963	-30.709	0.75	...	...	
...	38.202	+46.801	-1	...	...	...	28.529	-28.228	0.65	...	...	...	19.831	-51.725	-5	...	...	
...	38.115	-56.697	-5	...	...	...	28.499	+30.251	-4	...	...	...	19.749	+5.832	-4	...	...	
...	-37.773	-19.230	-4	...	...	...	-28.411	-54.090	-5	...	...	...	-19.505	-56.438	-5	...	...	
...	37.652	-56.429	-1	...	...	...	27.789	-32.947	-5	...	...	...	19.306	+47.143	-5	...	...	
...	37.577	-1.438	-5	...	...	...	27.254	-3.128	-3	...	...	...	19.293	+6.557	-3	...	...	
...	37.538	+41.527	-5	M	...	...	26.991	+47.873	-2	...	...	...	19.184	+23.755	-5	...	...	
*	37.533	+27.803	1.00	43.6384	9.9	...	26.980	+39.286	-4	...	...	...	19.159	-59.819	1.10	44.6631	9.1
171	-37.530	+38.643	-5	...	...	231	-26.920	-9.923	-4	...	...	291	-19.136	-27.545	-5	...	...	
...	37.429	-49.488	-4	...	...	...	26.781	-52.673	-4	...	...	...	18.793	-42.235	0.70	...	...	
...	37.029	-46.765	-5	...	...	...	26.051	-14.883	-5	...	...	...	18.787	-30.891	-4	...	...	
...	36.987	-48.220	-4	...	...	...	25.993	+30.769	-5	M	...	...	18.222	-38.688	-4	...	...	
†	36.866	-5.043	-3	...	...	...	25.867	+40.044	1.00	43.6389	9.6	...	18.075	-44.583	-4	...	...	
*	-36.689	+45.102	1.00	43.6385	9.6	...	-25.834	-7.969	-5	...	...	n	-18.040	+1.573	-3	43.6392	9.2	
...	36.356	-51.389	-5	...	...	S *	25.827	+42.861	1.60	43.6390	8.8	...	18.025	-45.068	-4	...	...	
...	35.934	+18.592	-5	...	...	...	25.817	+48.559	-4	M	...	n *	18.009	+1.678	1.00	43.6392	9.2
...	35.841	-20.349	-4	...	...	...	25.715	-17.757	1.20	44.6625	9.4	...	17.850	+3.292	-5	...	...	
...	35.823	-59.018	-5	...	...	...	25.672	-52.113	-4	...	...	*	17.254	-44.373	1.00	44.6632	9.8

296, 298. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
301-360						361-420						421-480					
30I	-17.173	-51.710	-3	...	...	361	-4.124	+41.847	0.95	43.6399	9.6	42I	+7.579	-27.477	-3	...	...
S*	16.965	-48.503	2.00	44.6633	8.5	...	3.971	+58.389	-4	...	...	...	7.596	+41.870	0.70	...	...
...	16.933	+45.771	-5	...	...	...	3.931	-35.232	-4	m	...	...	*	7.892	+2.437	1.00	43.6407
...	16.483	+43.296	0.75	...	...	...	3.309	+13.476	1.20	43.6400	9.6	...	7.930	+4.507	-5	m	...
...	15.911	+46.598	-5	...	...	...	2.993	-30.795	-4	m	...	...	*	8.182	+40.221	1.10	43.6408
...	-15.347	+42.122	-5	...	...	...	-2.607	+22.738	1.30	43.6401	9.4	...	†	+8.305	+39.775	1.05	42.6409
*	14.946	+45.302	1.00	43.6393	9.4	*	2.409	+56.836	1.20	42.6531	9.2	...	...	8.449	+20.271	-4	...
...	14.843	+17.747	-5	...	...	...	2.264	+50.210	-4	m	...	...	...	8.599	+56.763	1.00	42.6539
†	14.427	+49.907	0.90	43.6394	9.9	...	2.178	-26.119	-2	44.6637	10.0	...	...	8.713	+1.445	-5	m
...	14.337	+48.261	0.80	...	...	...	1.908	+42.221	-2	...	...	...	...	8.911	-41.431	0.70	...
31I	-14.074	-5.449	-3	...	...	37I	-1.774	-12.591	-4	m	...	43I	+9.149	-41.591	-5	m	...
...	13.966	+47.917	-4	...	...	...	1.714	-56.622	0.65	...	...	...	...	9.151	-23.834	-5	...
...	13.936	-7.255	-3	...	...	...	1.596	-8.511	-4	m	...	...	...	9.578	+54.021	0.95	...
...	13.856	+7.898	0.80	43.6395	10.0	...	1.594	-59.182	0.75	...	...	...	...	†	9.851	-23.177	-4
*	13.797	+15.151	1.00	43.6396	9.7	...	1.567	+33.151	-4	...	...	...	...	...	9.937	-35.257	-3
...	-13.535	+45.679	-4	...	...	...	-1.339	-51.835	-5	m	...	...	...	...	+10.256	+20.831	-4
...	13.419	-43.586	-5	...	...	*	1.071	-12.599	3.40	44.6638	7.5	...	...	...	10.265	+53.063	0.95
...	12.940	-33.141	0.75	...	...	...	1.057	+19.456	0.80	43.6402	10.0	*	...	...	10.370	+0.861	0.90
...	12.771	-20.287	-5	...	...	...	0.875	+25.901	-3	m	...	...	...	†	10.370	-20.041	-4
...	12.218	-5.787	-3	...	...	...	0.668	-53.606	-2	...	...	...	...	...	10.412	-12.244	-4
32I	-12.202	-8.853	-5	...	...	38I	-0.256	-24.047	-5	m	...	44I	+11.009	-21.782	-4	m	...
†	11.808	+29.863	-1	...	...	...	-0.224	+10.146	-4	m	...	...	...	11.087	-58.765	-3	...
...	11.573	+41.693	0.75	...	...	...	+0.166	+11.642	-5	m	...	...	...	11.189	-2.087	-4	m
...	11.505	+45.800	-3	...	...	...	0.197	+55.956	-3	...	...	...	...	11.263	-27.204	0.65	...
...	11.247	-24.581	0.65	...	...	...	0.412	+58.532	0.80	...	...	...	...	11.375	+21.173	-4	...
...	-11.147	+46.221	-5	M	...	...	+0.575	-33.651	-2	...	...	...	...	+11.420	+29.440	-4	...
...	10.437	+53.332	-1	...	...	...	0.765	+37.485	-5	Mm	...	...	...	11.516	-59.646	-5	...
...	9.701	+39.463	-5	...	...	*	0.794	-10.314	1.00	44.6639	9.4	...	...	11.739	+10.980	-5	m
...	9.411	+57.143	-4	...	...	*	0.801	+24.824	1.00	43.6403	9.5	...	...	12.247	+51.352	-2	...
...	9.399	-11.400	-1	...	...	...	1.082	+43.054	-5	...	...	...	...	†	12.318	-59.855	-4
33I	-9.321	+11.368	-5	...	...	39I	+1.146	+31.569	0.70	...	...	45I	+12.549	+24.268	-3	...	
...	9.255	+43.477	-4	...	...	...	1.368	-33.268	-3	...	...	...	...	12.605	+13.070	-4	...
...	9.100	+36.698	-4	...	...	...	1.612	+51.064	0.75	...	...	...	...	12.613	+40.479	-4	...
...	9.087	+24.569	-4	...	...	...	1.888	+19.535	0.75	...	...	...	...	12.676	+49.696	-4	m
...	9.002	-33.133	-3	...	...	...	2.135	-58.824	-1	...	...	...	...	12.936	-22.125	0.80	44.6645
...	-8.892	+12.526	-4	...	...	...	+2.271	-31.829	0.75	...	...	...	...	+12.992	-57.738	-4	m
...	8.889	+9.773	-5	...	...	*	2.619	-18.719	1.00	44.6640	9.5	...	...	13.399	-52.760	0.85	...
...	8.716	+35.269	-3	...	...	...	2.673	+13.188	-5	Mm	...	*	...	13.792	+32.026	1.90	43.6411
...	8.528	-7.110	-5	...	...	...	3.041	-5.741	0.70	...	...	...	...	13.816	+25.607	1.00	43.6412
...	8.218	+28.790	-4	...	...	...	3.388	+18.943	-5	m	...	...	...	13.863	+32.778	-4	...
34I	-8.095	-31.756	-4	...	...	40I	+3.410	+16.868	-5	Mm	...	46I	+14.033	+15.614	-4	m	...
*	7.870	-33.999	1.40	44.6634	9.1	...	3.488	-53.840	-5	...	...	...	...	14.086	+0.801	-3	...
...	7.538	+2.691	-5	...	...	...	3.489	+23.550	-3	...	...	...	...	14.242	+41.079	-4	m
...	6.985	+51.167	-5	...	...	...	3.696	+59.604	-1	...	...	...	...	14.382	-24.420	-4	...
...	6.949	-15.763	-4	...	...	...	3.992	+1.453	-4	Mm	...	...	...	14.629	+42.180	-4	...
...	-6.635	+38.621	0.80	43.6397	10.0	*	+4.177	-23.927	1.05	44.6641	9.4	...	...	+15.368	+5.818	-4	...
...	6.607	+35.792	-4	...	...	...	4.503	-27.060	0.90	44.6642	10.0	...	...	15.379	-36.875	-5	m
...	6.466	+30.910	0.90	43.6398	10.0	...	4.609	+54.930	0.80	...	...	...	...	15.381	-49.704	-4	...
...	5.983	+3.274	-4	m	...	†	4.790	-14.429	0.65	...	...	...	...	15.392	+33.915	-4	...
...	5.875	-27.548	-5	m	...	*	5.492	-40.688	1.00	44.6643	9.5	...	...	15.529	-8.728	-1	...
35I	-5.859	-7.080	-3	m	...	41I	+5.900	+0.636	1.60	43.6404	9.1	47I	+15.553	-11.549	-4	m	...
...	5.828	+56.782	-3	...	...	*	6.176	+0.395	1.40	43.6405	9.4	*	15.563	+27.147	0.95	43.6413	9.9
...	5.543	+27.654	-5	m	...	...	6.318	-3.913	-4	m	...	...	...	16.561	-10.074	-1	...
...	5.431	-54.522	-4	m	...	...	6.333	-58.693	1.00	44.6644	9.9	...	...	16.664	-1.812	-2	...
...	5.418	+41.603	-5	m	...	...	6.474	+6.463	-3	...	...	...	...	16.734	+36.227	-4	...
...	-5.323	-37.460	-4	m	...	...	+6.610	+7.949	-3	...	...	*	...	+16.880	+46.164	1.00	43.6414
...	4.702	-14.494	-2	44.6635	10.0	...	6.812	-17.968	-5	m	...	*	...	16.968	-53.304	1.15	44.6647
...	4.556	+3.332	-4	Mm	...	†	6.921	+24.944	1.00	43.6406	9.7	...	...	17.019	-5.545	-3	...
...	4.381	+40.928	-5	Mm	...	...	7.325	-58.713	-5	...	...	...	...	17.529	-40.086	0.95	44.6648
*	4.270	-17.832	1.40	44.6636	9.0	...	7.477	-45.483	-4	m	...	...	...	17.589	-57.725	-3	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
481-540						541-600						601-660						
481	+17.763	-58.246	1.60	44.6649	9.0	541	+27.578	-3.100	-3	<i>b</i>	...	601	+34.349	-50.445	-3	...	...
S*	18.161	+12.445	0.90	43.6415	10.0	...	27.751	+32.516	-5	...	...	...	34.391	-11.975	-4	<i>m</i>	...
...	18.343	-12.522	-1	...	...	...	27.999	-32.205	-4	...	...	†	34.615	-0.082	-5	<i>m</i>	...
S*	18.353	+28.950	2.70	43.6416	8.1	...	28.010	+17.549	-5	...	...	...	35.056	-39.670	-5	<i>m</i>	...
...	18.658	-59.141	-4	<i>m</i>	...	...	28.261	+46.159	-5	...	...	...	35.097	+11.438	0.75	43.6426	10.0
*	+18.822	+13.149	1.15	43.6417	9.5	...	+28.261	+3.494	-5	...	...	...	* +35.131	+49.313	1.05	43.6425	10.0
...	18.829	+52.521	-3	28.372	+25.675	-5	<i>m</i>	35.189	+2.378	-5
...	18.833	+50.745	-4	28.383	-25.994	-4	<i>m</i>	35.501	-11.989	-5	<i>m</i>	...
†	18.866	+9.918	0.85	43.6418	9.9	...	28.748	-50.606	-2	*	36.056	+6.293	1.50	43.6427	9.0
...	18.895	-4.919	-3	<i>b</i>	28.771	-30.324	-4	*	36.074	+57.197	1.10	42.6562	10.4
491	+18.923	+38.089	-3	...	...	551	+28.796	-45.817	-5	<i>m</i>	...	611	+36.107	-20.413	-4	<i>m</i>	...
...	18.974	+52.027	-5	...	...	...	28.871	-45.643	-5	<i>m</i>	...	...	36.112	-45.945	-2	<i>a</i>	...
...	19.001	+21.760	-4	...	...	...	29.346	+24.611	-3	...	...	...	36.655	+15.145	-3	...	...
...	19.031	+9.543	-5	<i>m</i>	...	...	29.446	-25.387	-5	<i>m</i>	...	...	37.010	-11.920	-2	...	...
*	19.085	+32.408	1.05	43.6419	9.6	...	29.476	+40.798	-5	<i>m</i>	...	...	37.055	+19.185	-5	<i>m</i>	...
...	+19.090	-31.733	-1	44.6650	10.0	...	+29.507	+8.807	-5	<i>m</i>	...	...	† +37.062	+4.988	-5	<i>m</i>	...
...	19.263	-33.362	-5	<i>m</i>	29.561	+28.322	-5	37.124	+44.409	-4
...	19.380	-37.154	-4	<i>m</i>	29.639	-39.862	-4	37.211	+17.035	-4
...	19.490	+20.952	-5	29.941	+53.986	0.65	37.244	+35.699	-3
...	19.584	+7.326	-5	<i>m</i>	29.988	-13.910	-4	<i>m</i>	37.387	-39.437	0.85	44.6665	10.0
501	+19.869	+16.986	1.00	43.6420	9.7	561	+30.127	-10.334	1.25	44.6660	8.9	621	+37.696	+51.311	-4	...	...
†	20.093	+44.527	-5	<i>m</i>	...	S*	30.177	-37.972	1.50	44.6661	8.9	...	38.044	-28.740	-3	...	...
...	20.097	-47.076	-4	...	...	...	30.242	+37.904	-1	...	...	...	38.092	-39.068	-3	...	...
...	20.226	+34.870	-5	...	...	...	30.304	+14.837	-4	...	...	...	38.173	-20.437	-4	<i>m</i>	...
...	20.935	-56.841	-5	...	...	...	30.527	-53.699	-5	<i>m</i>	...	...	38.192	+46.198	-5	...	...
...	+20.961	+45.534	-2	...	...	...	+30.556	-38.060	-4	...	...	...	† +38.293	-16.352	-5	<i>m</i>	...
*	21.088	-52.243	1.40	44.6651	9.0	...	30.558	-8.121	-4	<i>m</i>	*	38.401	+16.896	1.40	43.6428	9.4
...	21.115	-24.271	-5	<i>m</i>	30.620	-19.417	-2	38.643	-12.234	-4	<i>m</i>	...
...	21.220	+2.665	-5	<i>m</i>	30.787	-54.072	-5	<i>m</i>	38.752	+2.211	0.70
...	21.512	-57.476	-1	30.790	-39.430	-4	<i>m</i>	38.801	-31.634	-4	<i>m</i>	...
511	+21.677	-38.409	-3	...	...	571	+30.798	-6.532	-3	...	...	631	+39.394	+15.947	-5	<i>m</i>	...
...	22.071	-28.009	0.75	...	...	...	30.903	-0.963	-3	...	...	S n †	39.622	+11.364	3.00	43.6429	7.7
...	22.287	-12.657	0.90	44.6652	10.0	...	31.116	-48.274	-4	...	...	...	39.652	+53.524	-5	<i>m</i>	...
...	22.670	-14.761	-5	...	...	...	31.278	-0.450	-4	<i>m</i>	...	n †	39.753	+11.246	0.65	43.6429	7.7
...	22.681	-44.725	-5	<i>m</i>	...	...	31.336	-14.591	-5	<i>m</i>	...	†	39.786	-1.669	-5	<i>m</i>	...
...	+22.861	+3.134	-5	<i>m</i>	...	...	+31.605	+23.169	-4	...	...	...	+39.909	-22.679	-4	<i>m</i>	...
...	22.891	-18.712	0.90	44.6653	10.0	...	31.777	-4.770	-3	...	...	...	40.403	+4.693	-2	<i>a</i>	...
...	23.041	+47.548	0.70	...	...	...	31.907	-23.067	-4	<i>m</i>	...	...	* 40.797	+28.804	0.95	43.6430	9.8
...	23.516	-36.734	-4	<i>m</i>	...	...	31.953	-21.111	0.90	44.6662	10.0	...	40.859	-36.346	-5	<i>m</i>	...
*	23.527	-12.398	0.95	44.6654	9.8	...	32.005	+23.984	0.80	43.6424	10.0	...	40.981	+16.234	-2	...	...
521	+23.710	+47.001	1.00	43.6421	9.8	581	+32.025	-12.975	-5	<i>m</i>	...	641	+41.011	+13.785	1.00	43.6431	9.4	
...	23.724	-41.100	-5	<i>m</i>	...	...	32.067	-53.919	-2	...	...	†	41.120	+29.841	-3	...	...
...	23.887	-35.581	-4	...	...	...	32.103	+17.531	-3	...	...	...	41.685	+11.075	0.90	43.6433	10.0
...	24.021	+21.454	0.70	...	...	...	32.180	+31.579	0.85	43.6423	10.0	*	41.727	+47.932	1.25	43.6432	9.1
...	24.365	+26.309	-3	...	...	...	32.286	+24.688	-2	...	...	...	41.788	-10.263	-4	<i>m</i>	...
...	+24.633	+38.764	-5	...	...	...	+32.324	+20.636	-5	...	...	...	+41.806	-34.448	0.70	...	...
...	24.653	-13.550	0.90	44.6655	10.0	...	32.536	+9.023	-4	...	...	...	41.808	+16.620	-2	<i>a</i>	...
...	25.112	-49.620	-3	...	...	...	32.678	+26.890	-5	<i>m</i>	...	...	41.946	+41.530	-5	...	...
...	25.330	-4.679	-2	...	...	...	32.803	-51.730	-4	...	...	...	† 42.077	-44.887	-3	...	...
...	25.375	-59.670	-5	<i>m</i>	...	...	32.837	-13.181	-4	<i>m</i>	...	*	42.116	-36.515	1.40	44.6667	9.0
531	+25.641	-37.424	0.90	44.6656	10.0	591	+32.909	-48.275	1.15	44.6664	9.4	651	+42.211	-21.097	-5	<i>m</i>	...	
...	25.658	-7.911	-5	<i>m</i>	...	...	33.074	+47.462	-4	...	...	...	42.422	+38.890	-4	...	...
...	25.736	-34.263	0.70	...	...	...	33.504	-23.103	-4	<i>m</i>	...	...	42.460	-39.452	-5	<i>m</i>	...
...	25.977	+37.281	0.75	...	...	...	33.710	-41.068	-5	<i>m</i>	...	...	42.570	-38.583	0.65	...	...
...	26.022	-25.419	-4	...	...	...	33.724	+2.893	-5	<i>m</i>	...	...	42.815	-42.265	-4	...	...
...	+26.243	-28.303	-5	<i>m</i>	...	...	+33.799	+43.706	-5	<i>m</i>	...	...	+42.829	-24.260	0.70	...	...
...	26.293	-25.058	-5	<i>m</i>	...	...	34.034	+38.783	-4	...	...	S*	42.829	-30.741	2.00	44.6668	8.6
...	26.364	+15.534	-3	...	...	...	34.072	+17.892	-2	...	...	...	43.200	-40.993	-3	<i>a</i>	...
...	26.418	+3.200	0.80	43.6422	10.0	...	34.218	-15.333	-4	<i>m</i>	...	...	* 43.519	+40.787	-2	...	...
...	26.487	-19.682	-4	...	...	...	34.271	+58.501	-2	...	...	...	43.565	-30.133	1.00	44.6669	9.4

632, 634. C.P.D., probably mass.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
661-700						701-740						741-756						
661	+43.582	+53.728	-5	...	...	701	+50.121	+26.282	1.00	43.6440	9.9	741	+56.948	+28.264	-3	...	...
...	43.690	-26.254	0.70	...	...	...	50.143	+36.055	-3	...	...	...	57.029	+25.348	-3	...	...
†	43.748	+9.862	0.70	...	...	...	50.356	+26.049	-5	...	...	...	57.268	-25.884	-5	e	...
*	44.197	+29.433	1.00	43.6434	9.7	*	50.361	-18.356	0.95	44.6675	10.0	...	57.478	-2.745	0.70	...	...
...	44.425	+17.495	-2	...	...	...	50.423	+3.226	0.65	...	...	...	57.917	+2.388	0.70	...	...
...	+44.848	+14.064	-5	m	...	...	+50.672	+42.755	-4	...	...	...	+58.138	-56.018	-5	...	...
*	44.978	-30.509	0.95	44.6670	9.9	...	50.939	+44.708	-3	...	...	...	58.179	+2.081	0.80	...	...
...	45.123	+35.049	-5	...	...	†	51.003	-29.977	1.15	44.6677	9.2	...	58.226	+42.482	-5	...	...
*	45.243	+44.250	1.25	43.6435	9.2	...	51.135	-17.053	-5	e	...	...	58.244	+46.934	-4	...	...
...	45.335	+22.363	-4	...	...	...	51.864	-14.460	-4	...	...	...	58.275	-1.797	0.70	...	...
671	+45.528	+40.992	-5	...	...	711	+51.914	+11.279	0.95	43.6441	10.0	751	+58.411	+12.751	-5	...	...
...	45.845	+15.394	-2	...	...	...	52.007	+22.726	-4	e	...	...	58.932	-18.635	-4	...	...
...	45.898	+29.985	-4	...	...	...	52.085	+17.821	0.70	...	...	S*	59.417	+42.886	1.75	43.6445	9.0
...	46.061	-4.848	-5	m	...	...	52.162	+5.022	-5	...	...	...	59.435	-10.545	-3	e	...
N*	46.129	-32.449	1.40	44.6671	8.9	*	52.366	-4.116	1.00	43.6442	9.6	†	59.633	+29.237	-4	...	...
...	+46.294	-1.332	-5	m	+52.393	-52.956	-5	e	+59.643	-14.906	-3
...	46.336	+31.198	-5	m	...	...	52.592	+35.255	-4	...	...	...	...	...	...	...	...
...	46.689	+16.994	-5	m	...	...	52.782	+16.470	0.75	...	...	...	...	...	...	...	...
...	46.710	-45.426	-5	m	...	...	52.895	+5.184	-3	...	...	...	...	...	...	...	...
...	47.060	+23.454	-4	...	...	...	53.271	-33.292	-5	m	...	...	...	...	...	...	...
681	+47.211	+18.171	0.80	43.6436	10.0	721	+53.372	-14.021	1.05	44.6678	9.4	...	...	...	...	...	...
...	47.216	-25.509	-3	...	...	...	53.396	+8.155	-2	...	...	...	...	...	...	...	...
*	47.547	-10.103	1.00	44.6672	9.5	...	53.490	-53.664	0.80	44.6680	10.0	...	...	...	...	...	...
...	47.759	-49.030	-5	e	...	...	53.524	-40.619	-1	...	...	...	...	...	...	...	...
*	47.767	+38.522	1.00	43.6437	10.0	...	53.798	+9.242	-5	m	...	...	...	...	...	...	...
...	+47.854	+13.089	-5	...	...	†	+54.739	+14.952	1.00	43.6443	9.5	...	...	...	...	...	...
...	48.021	-7.448	-5	m	...	...	55.038	-17.876	-4	e	...	...	...	...	...	...	...
...	48.022	-19.352	-5	e	...	...	55.048	+22.736	-5	...	...	...	...	...	...	...	...
...	48.052	+24.421	0.70	...	...	...	55.363	-4.116	-5	e	...	...	...	...	...	...	...
†	48.262	+0.012	1.00	43.6438	9.6	...	55.538	+6.319	-1	...	...	...	...	...	...	...	...
691	+48.289	-9.651	-5	m	...	731	+55.638	+18.222	0.65	...	...	...	...	...	...	...	...
...	48.484	+9.586	-4	...	...	*	55.684	-59.541	1.90	44.6681	9.2	...	...	...	...	...	...
...	48.504	+57.621	-4	...	...	...	55.852	+6.798	-4	...	...	...	...	...	...	...	...
...	48.581	+47.067	-5	...	...	...	55.976	-13.254	0.70	...	...	...	...	...	...	...	...
...	48.609	-23.570	-3	...	...	...	56.251	-24.767	-1	...	...	...	...	...	...	...	...
*	+48.685	-12.977	1.05	44.6673	9.4	...	+56.312	-48.468	-5	e	...	...	...	...	...	...	...
*	48.898	-6.745	1.20	43.6439	9.2	...	56.448	+46.751	0.90	...	...	...	...	...	...	...	...
...	49.093	+23.920	-5	m	...	...	56.463	+36.312	-3	...	...	...	...	...	...	...	...
†	49.681	+44.836	-3	...	...	...	56.558	+45.359	-5	...	...	...	...	...	...	...	...
*	49.854	-31.646	1.00	44.6674	9.7	*	56.709	-6.957	1.00	43.6444	9.9	...	...	...	...	...	...

675. Mass. 45°.85, two stars.

1-10					11-20					21-30							
I	x.	y.	-3.	...	II	x.	y.	-3.	...	2I	x.	y.	-3.	...			
...	-59.320	-19.520	-5	° E	*	-57.101	-31.754	1.00	44.6674	9.7	*	-55.439	-4.157	1.10	43.6442	9.6	
...	58.881	+35.934	-5	...	*	57.001	-18.456	1.00	44.6675	10.0	†	55.186	+5.147	-5	...	...
*	58.846	-13.135	1.10	44.6673	9.4	...	56.625	+22.665	-5	E	...	...	54.776	+8.133	-1	...	...
*	58.820	-6.897	1.30	43.6439	9.2	...	56.379	+17.748	0.75	...	...	*	54.136	-14.017	1.20	44.6678	9.4
...	58.661	-49.196	-5	E	...	...	56.355	+11.215	0.90	43.6441	10.0	...	53.928	-52.968	-5	E	...
...	-58.594	-23.710	-5	...	...	...	-56.269	-17.138	-5	E	...	*	-53.652	+14.972	1.10	43.6443	9.5
...	58.590	+26.151	0.90	43.6440	9.9	*	56.001	-30.054	1.20	44.6677	9.2	...	53.525	-17.655	-5	M	...
...	58.542	+42.610	-5	...	...	...	55.898	+4.965	-5	...	...	...	53.180	-40.620	0.90	...	...
...	58.333	+44.586	-5	...	...	...	55.645	+16.429	0.80	...	...	...	52.891	+46.807	0.65	...	...
...	57.598	+3.116	0.75	...	...	...	55.607	-14.512	-5	...	...	...	52.846	+18.263	0.75	...	...

S measured from 1, 180, 458.
SB " " 79, 376, 668.

Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-52.799	-53.644	0.90	44.6680	10.0	91	-43.058	+34.780	-5	...	...	151	-34.208	-34.446	-5	M	...
...	52.571	+6.369	0.80	...	...	...	43.019	-35.903	-5	M	...	...	34.079	-28.191	-5	...	...
...	52.549	+36.372	-4	...	...	...	42.767	-32.253	-5	M	...	...	33.848	+8.188	-3	...	...
...	52.441	-4.070	-5	E	...	...	42.738	-20.359	-4	...	...	...	33.736	+44.043	0.65	...	...
...	52.347	-17.837	-5	E	...	...	42.382	+8.699	-5	M	...	...	33.221	-36.224	-5	...	...
...	-52.281	+6.859	-5	...	...	...	-42.286	-51.914	-5	M	...	...	-33.070	-39.258	-1	...	...
...	51.836	+28.336	-5	...	...	...	42.079	+15.581	-5	...	...	*	33.018	+27.284	1.25	43.6451	9.2
...	51.662	+25.435	-3	...	...	...	41.719	-1.283	-5	M	...	...	32.644	+35.868	-1	...	...
...	51.553	-13.185	0.75	...	...	...	41.603	-28.312	-4	...	...	...	32.577	+31.777	-5	M	...
...	51.117	+47.040	-5	...	...	*	41.525	+54.522	1.60	42.6573	9.7	...	32.445	-47.450	-5	M	...
41	-51.013	-6.872	1.00	43.6444	9.9	101	-41.456	-42.577	-5	M	...	...	-32.423	+41.786	-5	...	...
...	50.987	+42.582	-5	...	...	...	41.451	-53.150	-4	...	...	...	32.264	-0.700	-5	M	...
...	50.913	-24.670	0.70	...	...	*	41.446	+57.399	1.25	42.6574	10.0	...	32.227	-4.525	-4	M	...
...	50.441	-59.450	1.55	44.6681	9.2	...	41.331	+49.460	-5	...	...	...	32.160	+17.719	-5	M	...
...	50.369	-2.640	0.70	...	...	...	41.025	+8.085	-5	M	...	...	32.098	-40.602	-5	M	...
...	-50.153	-48.358	-5	E	...	...	-40.911	-44.333	-5	M	...	...	-32.028	-9.439	-5	M	...
...	50.091	+2.517	0.80	...	...	...	40.820	+5.765	0.90	43.6450	10.2	...	31.717	+35.514	-1	...	...
...	49.915	+12.871	-5	...	...	...	40.756	-4.021	-4	M	...	...	31.411	-35.175	0.70	...	...
...	49.875	-25.779	-5	E	...	...	40.602	+26.066	-3	...	...	...	31.120	-5.418	-5	M	...
S*	49.821	+43.031	1.60	43.6445	9.0	...	40.442	+14.919	-5	...	...	...	31.068	+53.735	-1	...	...
51	-49.806	+2.214	0.80	...	...	111	-40.424	-28.044	-5	M	...	...	-31.027	+49.832	-1	...	...
...	49.596	-1.669	-2	...	...	...	40.347	+8.850	-5	M	...	...	30.738	-19.847	-4	M	...
...	49.517	-6.176	-5	M	...	...	40.089	+32.349	-3	...	...	...	30.502	-19.295	-5	M	...
...	49.180	+29.387	-5	...	...	...	40.063	-2.716	-3	...	...	...	30.466	+9.767	-1	...	...
...	48.754	+20.374	0.80	...	...	...	39.981	-17.908	-4	...	...	...	30.377	+26.612	-5	...	...
...	-48.443	-18.466	-4	...	...	...	-39.855	+12.508	-3	...	...	...	-30.359	+40.463	-5	...	...
...	48.423	+6.158	-5	M	...	...	39.519	+18.051	-5	M	...	...	30.137	-5.056	1.00	43.6452	10.0
...	48.262	-23.094	-5	M	...	...	39.297	-37.092	-5	...	...	*	30.078	+22.979	1.30	43.6453	9.4
...	48.186	-10.381	-4	E	...	...	39.084	+7.457	-5	M	...	...	30.038	+47.592	-3	...	...
...	48.103	-55.882	-5	...	...	...	38.912	-36.080	-1	...	...	...	29.586	-35.900	-2	...	...
61	-47.833	+1.988	1.00	43.6446	10.0	121	-38.791	-42.032	-1	...	...	...	-29.360	-1.937	-5	M	...
...	47.825	-14.713	-3	...	...	...	38.480	+46.987	-4	...	...	...	29.288	-30.666	-5	M	...
...	47.779	+17.875	-5	M	...	...	38.427	+7.030	-5	M	...	...	29.220	-19.853	-4	M	...
...	47.680	-2.809	-5	M	...	...	38.259	-9.288	-4	M	...	...	29.119	+1.667	-5	M	...
...	47.246	-10.298	-3	...	...	...	38.249	-28.612	-5	M	...	...	29.044	-31.484	-5	M	...
...	-47.009	-29.216	1.00	44.6682	9.9	...	-37.572	-4.041	-5	M	...	*	-28.995	-7.208	1.00	44.6685	10.2
...	46.763	+52.111	-5	...	...	...	37.532	+30.426	-5	...	...	...	28.764	+5.605	0.90	43.6454	10.2
...	46.662	-52.930	-5	...	...	...	37.472	+23.209	-2	...	...	...	28.625	+4.147	-4	...	...
...	46.359	-26.362	-3	...	...	...	37.301	+28.058	-1	...	...	...	28.611	-12.021	-4	M	...
...	46.276	-17.280	1.00	44.6683	10.0	...	37.030	+9.542	-5	M	...	...	28.456	-51.828	0.90	...	...
71	-46.242	+7.904	-3	...	...	131	-37.020	+33.816	-5	...	...	...	28.428	+13.248	-5	M	...
...	46.099	-28.027	-5	M	...	...	36.673	+10.728	-5	M	...	...	28.418	+33.177	0.80	...	...
...	45.891	-54.984	0.70	...	...	...	36.592	-11.996	-5	M	...	*	28.197	+24.370	1.10	43.6455	9.6
...	45.694	+23.718	-5	...	...	...	36.244	+38.695	-5	...	...	...	28.049	+39.182	-2	...	...
...	45.625	-53.546	-5	M	...	...	35.970	-21.842	-5	M	...	...	27.847	-8.717	0.85	...	...
...	-45.412	+29.768	-4	...	...	...	-35.899	+20.987	-2	...	...	...	-27.642	-31.563	-4	M	...
...	45.276	-38.865	-5	...	...	...	35.714	+57.821	-4	...	...	...	27.596	-12.888	-5	M	...
...	45.124	+4.914	0.80	...	...	...	35.700	-11.445	-5	M	...	...	27.337	+6.300	0.80	...	...
...	44.492	-15.554	-5	M	...	...	35.640	-5.229	-5	M	...	...	27.193	+13.426	0.90	43.6456	10.2
...	44.384	+29.576	-3	...	...	...	35.628	+30.436	-4	...	...	...	26.932	-32.958	-2	...	...
81	-44.307	-24.216	-5	M	...	141	-35.557	-26.345	-5	M	...	...	-26.902	-31.949	-5	M	...
...	44.177	+25.953	-4	...	...	...	35.554	+47.349	-5	...	...	...	26.798	-13.597	-5	B	...
...	44.167	-42.435	-5	M	...	...	35.377	+2.445	-5	M	...	...	26.727	+53.212	-5	...	...
...	44.111	+59.041	-5	...	...	...	35.228	-34.830	-4	...	...	...	26.702	-13.961	-3	A	...
...	43.881	+23.610	1.00	43.6449	10.2	...	34.953	-50.378	-5	M	...	...	26.309	-7.045	-5	M	...
...	-43.722	+10.054	1.15	43.6447	9.4	...	-34.819	-28.939	-2	...	...	...	-25.938	+57.387	-5	...	...
...	43.649	+4.837	1.00	43.6448	10.0	...	34.779	-26.372	-4	M	...	...	25.753	-5.548	-4	M	...
...	43.609	+25.612	-5	...	...	...	34.614	-20.287	-4	...	...	...	25.654	-56.585	-5	M	...
...	43.247	+24.570	-5	...	...	...	34.434	-25.124	-5	M	...	...	25.430	-17.650	0.65	...	...
...	43.069	-17.138	-5	M	...	...	34.382	-18.616	-3	...	...	...	25.228	-43.438	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-25°055	-10°021	-5	M	...	271	-15°692	-21°066	-3	Å	...	331	-6°189	+49°595	-5	...	...
S †	24°642	-3°120	1.23	43.6457	9.2	...	15°686	+9°201	-4	...	...	...	6°084	+22°831	-5	M	...
...	24°464	+21°533	-5	M	...	...	15°678	+5°034	-5	M	...	...	5°991	+37°826	-5	M	...
...	24°322	+49°214	-5	...	...	...	15°637	-3°395	0.70	...	...	*	5°919	+10°849	1.05	43.6470	9.8
...	24°320	+38°657	0.80	...	...	...	15°533	+19°723	-5	M	...	...	5°837	-52°525	-5	M m	...
...	-24°197	+22°075	-5	M	...	...	-15°510	+51°701	-5	...	...	...	-5°780	-49°668	-3	m	...
...	24°175	+29°944	0.80	43.6458	10.2	...	15°509	+46°263	-4	B	...	...	5°632	+29°774	-2	...	...
...	24°062	-29°696	-4	M	...	...	15°338	-30°859	0.90	44.6689	10.0	*	5°484	-3°516	1.00	43.6471	10.2
...	23°708	-7°582	-4	M	...	...	14°852	+37°778	-5	M	...	...	5°465	+13°156	-2	...	...
*	23°562	+26°539	1.30	43.6459	9.0	...	14°604	+21°489	-5	M	...	...	5°264	+38°577	-4	...	...
221	-23°343	+7°992	0.75	...	...	281	-14°471	+16°761	1.00	43.6466	9.8	341	-5°206	+41°105	-5	M m	...
...	23°201	+16°858	-4	A	...	...	14°460	-32°431	-3	...	...	...	5°168	+52°166	0.85	...	...
...	23°108	-35°951	-3	...	...	...	14°447	-23°757	-5	M	...	...	5°082	+22°569	-5	M m	...
*	23°074	+23°588	1.15	43.6460	9.6	*	14°341	+35°346	1.05	43.6467	9.8	...	4°844	+27°656	-3	...	...
...	22°238	+8°785	-5	M	...	...	14°297	+11°815	-5	M	...	†	4°749	+36°355	1.25	43.6472	9.4
*	-22°167	-12°783	1.10	44.6686	9.8	...	-13°736	+4°554	-5	M	...	...	-4°626	-31°595	-5	M m	...
...	22°127	-30°645	-2	...	...	...	13°622	-5°812	-5	M	...	...	4°619	+22°847	0.80	...	...
...	21°615	+11°059	-5	M	...	...	13°542	-17°757	-2	A	...	*	4°611	-7°623	1.35	44.6694	8.9
...	21°579	-31°569	0.80	...	...	...	13°221	+3°827	-5	M	...	*	4°596	+26°306	1.00	43.6473	9.8
...	21°481	+5°663	0.85	43.6461	10.2	...	13°027	+17°979	-5	M	...	...	3°994	+4°660	-5	M m	...
231	-21°234	-57°158	-5	...	...	291	-12°873	-40°393	0.80	...	...	351	-3°705	+48°206	-5	M m	...
...	21°030	+0°706	0.75	...	...	*	12°808	+23°100	1.00	43.6468	9.6	*	3°638	-31°509	1.10	44.6695	9.4
†	20°867	+10°076	1.05	43.6462	9.6	...	12°800	+39°801	0.70	...	...	...	3°534	-16°102	-5	M m	...
...	20°784	+36°434	-2	...	...	*	12°380	-50°349	1.00	44.6690	9.8	...	3°351	+4°206	0.70	...	...
...	20°237	+20°010	-3	...	...	...	12°219	-17°337	-5	M	...	...	3°320	-34°876	-3	m	...
...	-20°199	-48°363	-4	...	...	...	-12°153	-14°307	0.80	...	...	...	-3°246	+43°396	0.80	...	...
...	20°086	-37°398	-4	M	...	...	11°644	+36°081	-5	M	...	*	3°230	+11°514	1.00	43.6474	10.2
...	19°932	-55°141	-1	...	...	...	11°208	+45°625	-5	...	...	...	2°839	-12°087	0.65	m	...
...	19°352	+28°249	-5	M	...	...	11°052	-11°136	-3	...	...	...	2°480	+3°267	-5	M m	...
...	19°189	+23°900	-5	...	...	...	11°047	+44°656	-5	M	...	...	2°211	-49°958	-5	M m	...
241	-19°094	-31°172	-5	M	...	301	-11°040	+59°065	0.90	42.6593	10.5	361	-2°180	+37°918	-5	M m	...
*	18°965	+11°443	1.00	43.6463	9.6	...	10°958	-7°319	0.85	44.6691	10.2	...	2°006	-2°952	-4	M m	...
...	18°437	-58°540	-5	...	...	...	10°692	-7°786	-4	M	...	...	1°656	+6°937	-4	M m	...
...	18°396	-30°670	-2	...	...	...	10°473	+20°259	-5	M	...	†	1°642	-54°773	-5	M m	...
...	18°359	+9°426	-1	...	...	...	10°383	+45°977	-5	...	...	...	1°594	-5°898	-1	D d	...
...	-18°105	+4°086	-4	B	...	...	-10°340	+21°762	-5	M	...	...	-1°516	+2°245	0.70	...	...
...	18°058	-27°851	-4	M	...	...	9°363	+30°717	0.80	...	...	...	1°334	+49°144	-4	...	...
...	18°040	+14°561	0.80	...	...	...	9°259	-10°005	-4	M	...	...	1°281	+4°494	-3	B m	...
...	17°969	+47°844	-5	M	...	...	9°248	-48°770	0.80	...	...	...	1°022	-31°502	-5	M m	...
...	17°936	+47°134	-2	...	...	...	8°954	-53°786	-5	M	...	...	0°950	-14°962	-4	M m	...
251	-17°862	+32°462	0.80	...	...	311	-8°889	+36°043	-5	M	...	371	-0°904	-37°344	1.10	44.6696	9.6
...	17°802	+9°614	-4	...	...	...	8°837	-5°330	-5	M	...	...	0°669	-19°102	0.70	m	...
...	17°801	+37°419	-5	...	...	...	8°753	+2°898	-5	M	...	...	0°531	+32°073	-5	M m	...
...	17°565	-7°181	-5	M	...	...	8°751	-43°812	0.80	...	...	...	-0°520	+0°955	-5	M m	...
...	17°306	+17°113	0.75	...	...	...	8°740	-17°871	-3	A	...	...	+0°030	-27°334	-5	M m	...
S*	-17°090	+16°103	1.30	43.6464	8.9	...	-7°946	-18°070	0.90	44.6692	10.2	...	+0°216	-49°549	0.65	...	...
...	17°081	-20°699	-5	M	...	...	7°914	+46°727	-5	M	...	...	0°438	-53°373	-5	M m	...
...	17°011	-39°663	0.90	44.6687	10.2	S*	7°541	-31°840	3.40	44.6693	7.0	...	0°701	+6°565	-5	M m	...
...	16°794	-6°361	0.70	A	...	...	7°417	+14°446	-5	M	...	S*	0°710	-43°462	1.20	44.6697	9.4
...	16°694	+58°183	-5	...	...	...	7°417	+33°185	0.80	...	...	...	0°783	+37°723	-5	...	...
261	-16°687	-15°776	1.35	44.6688	9.0	321	-7°348	+42°140	-5	...	...	381	+1°238	-39°130	-3	...	...
*	16°525	+50°511	1.25	43.6465	9.6	...	7°163	-1°680	0.70	A	...	...	1°624	+13°222	-5	M m	...
...	16°479	-50°730	0.80	...	...	...	7°132	+2°191	-5	M	...	...	1°697	-41°480	-5	M m	...
...	16°341	-33°237	0.75	...	...	...	7°105	-7°572	-5	M	...	...	1°724	-42°195	-5	M m	...
...	16°139	+11°288	-5	M	...	...	6°893	-7°406	-5	M	...	*	1°826	-7°609	1.20	44.6698	9.4
...	-16°090	+8°400	-5	M	...	...	-6°868	+12°937	-3	...	...	...	+2°212	+48°832	-4	...	...
...	16°029	-34°704	-5	M	...	...	6°709	+18°688	1.00	43.6469	9.8	...	2°215	+36°393	0.90	43.6475	10.2
...	15°832	+47°703	-5	...	...	...	6°562	+58°682	-5	...	...	...	2°239	+17°369	-5	M m	...
...	15°776	-33°072	0.80	...	...	...	6°560	+26°886	-3	...	...	...	2°315	+15°391	-4	M m	...
...	15°705	+29°005	0.85	...	...	...	6°320	+49°281	-5	...	...	...	2°403	+35°732	-5	M m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
39I	+ 2.608	+ 47.613	- 3	o	...	45I	+ 13.639	- 30.334	- 4	o	...	51I	+ 21.632	+ 22.447	1.00	43.6483	10.0
...	2.681	- 32.019	- 2	...	...	...	13.720	- 57.280	- 2	...	...	*	21.676	- 10.612	1.00	44.6709	10.0
...	3.139	- 37.777	- 5	M m	...	...	13.837	- 47.100	- 4	...	...	...	21.768	- 25.999	- 5	m	...
...	3.349	- 39.969	- 4	...	...	...	13.998	- 35.167	- 4	...	...	...	21.849	- 17.585	0.65	...	...
...	3.571	- 15.154	- 4	M m	...	...	14.167	- 19.650	- 4	m	...	...	21.937	- 30.256	- 5	m	...
...	+ 3.729	- 57.741	- 2	...	...	...	+ 14.418	- 32.421	- 5	m	...	...	+ 22.029	- 47.210	- 5	m	...
...	3.911	- 8.308	- 5	M m	...	...	14.995	- 35.496	- 1	...	...	...	22.075	+ 52.275	0.80	43.6484	10.2
...	3.935	+ 35.802	- 5	M m	...	...	15.289	- 17.059	- 5	m	...	...	22.240	+ 17.080	- 2	...	...
...	3.970	+ 9.081	- 5	M m	...	S*	15.309	+ 24.650	1.33	43.6479	9.0	...	22.347	+ 28.576	- 5	m	...
...	4.025	- 49.655	0.80	44.6699	10.2	†	15.455	- 14.855	- 5	m	...	...	22.471	+ 5.805	- 2	...	...
40I	+ 4.085	- 22.049	- 5	M m	...	46I	+ 15.494	+ 56.804	0.65	...	...	52I	+ 22.579	- 24.727	- 5	m	...
...	4.114	- 28.819	- 5	M m	...	...	15.498	- 26.503	0.85	...	...	*	22.737	- 46.991	1.35	44.6710	9.2
...	4.176	- 33.541	0.65	44.6700	10.2	...	15.562	+ 36.518	- 5	m	...	...	22.816	- 12.532	- 5	m	...
...	4.296	- 28.663	- 5	M m	...	*	15.587	+ 30.400	1.00	43.6480	10.2	...	23.166	- 28.804	- 5	m	...
...	4.694	+ 11.377	- 5	M m	...	...	15.612	- 49.861	0.90	44.6706	10.2	*	23.333	+ 35.494	1.25	43.6485	9.2
...	+ 4.842	- 12.972	- 5	M m	...	†	+ 15.627	- 44.777	- 5	m	...	...	+ 23.337	+ 26.230	- 4	...	...
...	5.338	+ 45.181	- 5	...	...	...	15.747	+ 46.950	- 5	m	...	...	23.440	- 39.017	- 2	b	...
...	5.348	- 55.510	- 5	M m	...	...	15.826	+ 38.392	0.65	...	...	...	23.533	- 12.577	- 5	m	...
*	5.812	- 44.101	1.00	44.6701	10.2	...	16.034	- 20.918	0.85	...	...	...	23.590	- 20.529	- 5	m	...
...	5.959	- 22.006	- 5	M m	...	...	16.051	+ 46.045	- 1	...	...	...	23.937	- 10.045	- 5	m	...
41I	+ 6.029	- 39.526	- 5	M m	...	47I	+ 16.082	- 13.361	0.70	a	...	53I	+ 24.099	+ 44.918	1.00	43.6486	9.8
...	6.235	- 38.684	- 2	...	...	...	16.163	- 56.294	- 5	...	...	†	24.340	+ 52.906	- 3	...	...
...	6.308	+ 51.737	- 3	...	...	...	16.515	+ 13.300	0.90	43.6481	10.0	...	24.475	- 16.578	- 5	m	...
...	6.384	- 56.652	- 5	M m	...	...	16.946	+ 26.643	0.70	...	...	...	24.494	- 47.888	- 5	m	...
...	6.471	- 37.466	- 5	m	...	...	17.007	+ 13.949	- 3	...	...	...	24.616	+ 21.844	- 2	...	...
...	+ 6.616	- 46.362	- 5	m	...	...	+ 17.082	- 26.379	- 5	m	...	...	+ 24.832	- 9.164	- 2	b	...
...	6.668	- 43.296	- 5	m	...	...	17.315	+ 29.854	0.90	...	...	...	25.033	+ 14.873	0.65	...	...
...	7.429	- 38.432	- 3	...	...	...	17.428	- 7.153	- 5	m	...	...	25.051	+ 36.495	- 5	...	...
*	7.620	+ 33.368	1.00	43.6476	10.2	*	17.462	- 27.393	1.00	44.6707	9.8	†	25.131	- 23.206	- 5	m	...
*	7.622	- 45.981	1.00	44.6702	10.0	...	17.888	- 39.599	- 5	m	...	...	25.758	+ 48.631	- 5	...	...
42I	+ 8.103	- 3.508	- 3	m	...	48I	+ 17.982	+ 29.237	- 2	...	...	54I	+ 25.816	- 43.068	- 4	m	...
...	8.341	+ 12.528	- 2	...	...	...	18.033	- 31.537	- 5	m	...	...	25.820	- 4.694	- 5	m	...
...	8.725	- 3.591	- 3	...	...	...	18.068	+ 19.617	0.90	...	...	...	25.852	+ 19.020	- 5	...	...
...	8.847	+ 21.731	- 5	m	...	...	18.223	- 47.204	- 5	m	...	...	25.949	- 36.825	- 5	m	...
...	8.874	+ 14.259	- 5	m	...	...	18.292	- 52.578	- 3	...	...	*	25.950	+ 44.657	1.00	43.6487	9.8
...	+ 8.930	- 10.817	- 3	...	...	*	+ 18.316	- 23.398	1.30	44.6708	9.0	...	+ 26.102	- 7.346	- 5	m	...
...	9.008	- 56.985	- 3	...	...	...	18.583	+ 5.631	- 5	m	...	...	26.236	- 10.106	- 5	m	...
...	9.013	+ 54.488	- 5	...	...	...	18.585	+ 3.364	- 4	b	...	...	26.535	- 42.383	- 5	m	...
...	9.021	- 48.222	- 5	m	...	...	18.589	+ 35.178	- 3	...	...	...	26.717	+ 8.512	- 5	m	...
...	9.365	+ 44.290	- 4	...	...	...	18.804	+ 45.848	- 3	...	...	...	26.723	- 59.271	- 5	...	...
43I	+ 9.890	+ 4.612	- 5	m	...	49I	+ 19.218	- 29.202	- 5	m	...	55I	+ 26.725	+ 33.705	- 5	...	...
...	9.951	- 23.485	- 3	...	...	...	19.264	- 7.606	- 5	m	...	...	26.744	- 48.241	- 5	m	...
...	10.687	+ 55.102	- 5	...	...	...	19.309	- 23.795	0.85	...	...	...	26.908	+ 15.454	- 5	...	...
...	10.834	- 45.001	0.90	44.6703	10.2	...	19.463	- 19.265	- 2	a	...	...	26.952	- 29.805	- 4	...	...
...	10.985	+ 46.502	- 3	...	...	...	19.532	+ 49.941	0.65	43.6482	10.2	†	27.205	- 1.743	- 5	m	...
...	+ 11.245	- 38.820	- 5	m	...	...	+ 19.661	+ 17.654	- 4	...	...	*	+ 27.217	+ 36.243	1.00	43.6488	9.6
...	11.323	- 10.503	- 2	...	...	...	19.768	- 44.626	- 5	m	...	...	27.514	- 40.679	- 4	m	...
...	11.841	- 25.958	- 4	...	...	...	20.000	+ 11.711	- 5	m	...	...	27.596	- 41.934	0.90	44.6711	10.2
...	11.959	- 57.545	- 5	m	...	...	20.167	- 1.957	- 5	m	...	...	27.602	+ 14.709	- 4	...	...
...	12.188	- 56.711	- 5	m	...	...	20.465	- 2.079	0.80	...	...	...	27.607	- 48.237	- 5	m	...
44I	+ 12.376	+ 16.080	- 1	...	...	50I	+ 20.480	+ 27.440	0.65	...	...	56I	+ 27.713	- 22.772	0.70	...	...
...	12.728	- 33.351	- 5	m	...	...	20.534	- 34.943	- 5	m	...	...	27.744	- 33.017	- 5	m	...
...	12.803	+ 19.303	- 5	m	...	...	20.699	- 11.551	- 5	m	...	...	27.791	+ 45.636	- 5	...	...
...	12.812	- 45.646	- 5	m	...	...	20.840	- 27.317	- 4	m	...	...	27.942	+ 10.452	- 5	m	...
...	12.940	+ 42.539	- 5	m	...	...	20.853	+ 12.578	- 5	b	...	...	27.976	+ 27.584	- 1	...	...
...	+ 12.975	+ 14.507	- 1	43.6477	10.2	...	+ 20.875	- 48.405	- 5	m	...	...	+ 28.076	- 41.436	- 3	...	...
*	13.119	+ 7.100	1.00	43.6478	10.0	...	21.114	+ 29.211	- 5	...	...	...	28.430	+ 12.304	- 5	m	...
...	13.193	+ 19.293	- 5	m	...	...	21.308	+ 14.710	- 5	m	...	...	28.513	+ 32.008	- 5	...	...
*	13.267	- 27.971	1.00	44.6705	9.8	...	21.399	+ 8.086	0.70	...	...	N*	28.827	- 40.503	1.30	43.6489	9.2
...	13.471	+ 16.717	- 5	m	...	...	21.620	+ 10.339	0.65	...	...	*	28.921	- 39.408	1.00	44.6712	10.2

569. Mass. 43°·86, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
571-630						631-690						691-749					
571	+28°957	+13°054	-5	m	...	631	+38°834	-25°453	-5	m	...	691	+51°253	-22°475	1°00	44.6717	9.8
...	29°024	+33°829	-5	m	...	...	39°134	-25°496	0°70	...	...	...	51°374	+17°301	-3	...	...
...	29°084	-4°581	-4	m	...	...	39°153	-54°450	-5	m	...	...	* 51°542	+6°892	1°00	43.6508	9.6
...	29°309	-51°235	0°90	...	...	...	39°371	-40°380	-5	m	...	...	* 51°643	-55°635	1°25	44.6718	9.6
...	29°522	-44°454	-5	...	...	...	39°775	-24°273	-4	m	...	...	51°645	-33°854	-2	...	...
...	+29°634	-57°659	-5	...	...	...	+39°983	+3°145	-5	m	...	...	+51°752	-57°839	0°65	44.6719	10.2
...	29°657	-25°625	0°70	...	...	...	40°176	-33°127	-5	m	...	...	51°766	-42°345	-1	...	...
...	29°823	+23°214	0°75	...	...	...	40°492	-24°860	-4	m	...	...	* 51°846	-3°409	2°00	43.6509	8.2
...	29°827	+25°283	-5	...	...	...	40°617	+0°880	-2	...	...	...	52°796	-38°080	-5	e	...
...	* 30°062	+32°307	1°10	43.6490	9.4	...	40°675	-35°478	-5	m	...	...	52°877	-30°097	-5	m	...
581	+30°260	+8°611	0°65	...	...	641	+40°785	+29°659	-1	...	...	701	+52°952	-47°602	0°65	44.6721	10.2
...	30°644	-33°618	-5	m	...	...	40°834	-40°826	0°70	...	...	...	52°963	+21°223	-1	...	...
...	30°759	-43°225	0°90	44.6713	10.2	...	40°973	+20°915	-5	m	...	...	53°018	+1°511	-5	e	...
...	* 30°821	+53°140	1°30	42.6622	9.8	...	41°235	+23°082	0°80	...	...	...	53°403	-40°375	-5	...	...
...	31°046	+4°001	0°80	43.6491	10.2	...	41°247	+4°796	-4	...	...	...	* 53°714	+8°236	1°00	43.6510	10.2
...	* +31°145	-1°422	1°10	43.6492	9.4	...	+41°249	+7°095	-5	m	...	...	+54°117	-23°075	-3	...	...
...	31°396	-12°794	-4	m	...	...	41°969	-2°478	0°90	43.6498	10.2	...	54°193	-4°628	-5	e	...
...	31°418	+51°422	-4	...	...	...	41°989	-32°842	-4	...	...	...	54°241	-6°410	-5	e	...
...	31°435	-3°159	-5	m	...	...	42°004	-45°970	-5	m	...	...	54°706	+5°501	-5	...	...
...	32°077	-30°542	-2	...	...	...	42°304	-12°041	-5	m	...	...	54°883	-33°055	-5	e	...
591	+32°149	-19°248	-4	m	...	651	+42°755	-26°899	-5	m	...	711	* +55°514	+57°838	2°30	42.6632	8.5
...	32°498	+18°592	0°65	...	...	...	42°921	+24°075	0°80	...	...	...	55°529	-21°960	-5	e	...
...	32°931	+11°605	-5	...	...	...	43°122	-49°962	-5	m	...	...	55°577	-35°147	-5	e	...
...	32°936	-15°098	-4	m	...	...	43°375	+8°119	-5	m	...	...	* 55°770	+24°450	1°00	43.6511	10.0
...	S* 33°016	-4°315	1°20	43.6493	9.2	...	43°540	-4°659	0°80	...	...	...	55°864	-23°850	-5	e	...
...	+33°517	-31°123	-5	m	...	...	+43°697	-13°495	-5	m	...	...	+55°926	-47°353	-5	...	...
...	33°576	-35°460	-5	m	...	...	43°715	-18°027	-5	m	...	...	55°961	-9°623	-5	m	...
...	33°637	+35°813	-3	...	...	...	43°852	+25°853	-5	...	...	...	55°961	+15°677	-1	...	...
...	33°647	+16°107	0°70	...	...	...	43°897	+18°709	0°80	...	...	...	56°137	+8°999	-5	...	...
...	33°934	+36°587	-5	...	...	...	44°054	-15°392	-5	m	...	...	56°324	-31°318	-5	e	...
601	+34°014	+2°071	-5	m	...	661	+44°083	-1°959	-5	m	...	721	+56°476	+18°377	-4	...	...
...	34°067	-31°398	0°90	44.6714	10.2	...	* 44°245	+30°599	1°30	43.6500	9.2	...	56°647	-27°508	0°65	44.6722	10.2
...	* 34°218	+38°305	1°00	43.6494	10.2	...	44°449	-50°224	-5	m	...	...	56°657	+9°502	-5	...	...
...	34°426	+12°288	-5	...	...	...	44°547	+43°529	0°75	43.6499	10.2	...	56°812	-12°309	0°65	...	...
...	* 34°502	+12°630	1°00	43.6495	10.0	...	44°610	+12°903	1°00	43.6501	10.0	...	57°077	+50°319	-5	...	...
...	+35°156	-21°172	-4	m	...	...	+44°825	-11°748	-5	m	...	...	+57°083	-51°058	0°65	...	...
...	35°452	+38°825	0°65	...	...	...	44°899	+18°371	-5	...	...	...	57°343	+40°939	-5	...	...
...	35°474	-53°386	-5	m	...	...	45°116	-28°482	-5	m	...	...	* 57°382	+22°278	1°20	43.6512	9.4
...	35°521	-56°367	-5	...	...	...	46°005	-15°535	-4	m	...	...	* 57°584	-3°560	1°15	43.6514	9.4
...	35°578	+20°867	-5	m	...	...	S* 46°030	+47°247	1°38	43.6502	9.2	...	57°699	+30°970	-5	...	...
611	+35°791	+4°875	0°70	...	...	671	+46°089	-43°821	4°30	44.6715	5.8	731	+57°723	-7°612	-5	m	...
...	* 36°092	+48°565	1°20	43.6496	9.8	...	46°552	+6°129	-5	...	...	...	57°997	+48°831	0°65	43.6513	9.8
...	36°326	+22°842	0°90	43.6497	10.2	...	47°202	+20°581	-5	...	...	...	58°081	+3°865	-5	...	...
...	36°417	-7°102	-5	m	...	...	47°308	-48°663	-5	e	...	...	58°189	-57°145	-3	...	...
...	36°418	+20°057	-2	...	...	...	47°308	-48°663	-5	e	...	...	58°189	-57°145	-3	...	...
...	+36°859	+25°314	-5	m	...	...	S* 47°528	+4°032	1°70	43.6503	8.4	...	58°508	-37°480	-5	e	...
...	36°926	+7°032	-3	...	...	...	+47°579	-17°996	-3	...	...	...	+58°649	-44°530	-5	e	...
...	37°130	+11°234	0°70	...	...	...	47°674	-14°531	-2	...	...	...	58°722	+13°835	-2	...	...
...	37°403	+13°242	-5	m	...	...	* 47°912	+27°362	1°00	43.6504	9.6	...	58°808	-36°827	-5	e	...
...	37°551	+15°673	-5	m	...	...	* 47°991	+12°264	1°00	43.6505	9.8	...	58°859	-18°572	-5	m	...
621	+37°855	-41°798	-5	m	...	681	48°050	+17°902	-5	...	...	...	59°085	-10°444	-5	e	...
...	† 37°886	+39°857	-5	...	...	...	* +48°365	+17°032	1°00	43.6506	9.8	741	+59°167	-0°692	-5	m	...
...	† 37°932	-19°843	-5	m	...	...	48°406	+37°939	-3	...	...	...	59°220	-58°813	-5	...	...
...	37°990	+8°296	-3	...	...	...	48°666	-17°013	-4	e	...	...	59°293	-40°976	-5	...	...
...	38°015	+6°372	-5	m	...	...	48°767	-0°094	-5	e	...	...	59°361	-39°406	-4	...	...
...	+38°025	-58°684	-5	...	...	...	49°761	+20°519	-4	...	...	...	59°402	+16°706	-5	...	...
...	38°161	+44°191	-2	...	...	...	* +49°882	+5°927	1°00	43.6507	9.8	...	+59°453	+50°471	-3	43.6515	10.2
...	38°403	+7°260	-4	m	...	...	49°998	+1°018	-4	...	...	...	59°529	+21°502	-3	...	...
...	38°724	-50°213	0°70	...	...	...	50°293	-49°709	-4	...	...	...	59°547	-41°842	0°80	44.6723	10.2
...	38°752	+22°550	-5	...	...	...	50°303	+11°849	-5	e	...	...	* 59°770	-58°647	1°80	44.6724	9.2
...						...	50°888	-22°940	0°90	44.6716	10.0						

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-59.171	-0.253	-5	E	...	...	-48.547	-10.267	-5	E	...	...	-41.150	-12.985	-5	M	...
...	59.120	-48.844	-5	E	...	...	48.498	-1.543	-5	M	...	...	41.099	-29.589	-5	M	...
...	58.789	+20.379	-5	...	...	...	48.432	+4.384	-5	M	...	...	41.073	-59.206	-5	M	...
...	58.738	-17.144	-5	E	...	...	48.417	-34.503	-5	M	...	...	40.642	-42.344	-4	M	...
*	58.224	+5.814	1.10	43.6507	9.8	...	48.290	-37.314	-5	E	...	...	40.589	-18.387	-5	M	...
...	-57.993	+11.728	-5	E	...	...	-48.011	-36.672	-5	E	...	...	-40.503	-40.676	-5	M	...
...	57.945	+0.905	-1	...	...	...	47.999	-56.983	-3	...	...	*	40.388	-46.105	1.00	44.6731	9.8
...	57.101	+17.221	-2	...	...	...	47.912	-44.344	-5	E	...	...	40.335	+1.897	-1	...	...
*	56.602	+6.829	1.10	43.6508	9.6	...	47.385	+17.361	-5	...	...	...	40.070	-36.064	-5	M	...
...	56.331	-23.016	0.90	44.6716	10.0	...	47.361	-39.229	-3	...	...	...	39.847	-12.489	-4	...	...
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
†	-56.115	-49.812	-4	...	...	...	-47.194	+6.936	-5	M	...	...	-39.451	+11.514	-5	M	...
...	55.983	-22.551	0.95	44.6717	9.8	*	47.093	-41.652	0.95	44.6723	10.2	...	39.152	-56.040	-2	...	...
*	55.967	-3.474	2.40	43.6509	8.2	...	46.907	-58.601	-5	...	...	...	38.539	-22.755	0.95	44.6732	10.2
...	55.618	+21.196	0.75	...	...	...	46.693	+3.416	-3	...	...	...	37.964	+38.944	-4	...	...
...	55.268	-33.909	0.65	...	...	...	46.652	+39.689	-5	...	...	...	37.924	+2.064	0.80	...	...
...	-54.953	+1.482	-5	E	...	...	-46.450	+44.699	-5	...	...	...	-37.838	-52.662	0.80	...	...
...	54.878	-42.378	-2	...	...	*	46.382	-25.113	1.40	44.6725	8.9	...	37.678	+1.995	-5	M	...
*	54.588	-55.673	1.25	44.6718	9.6	...	46.379	+1.432	-5	M	...	...	37.670	+18.391	-5	...	...
*	54.477	+8.233	1.00	43.6510	10.2	*	46.359	-58.440	1.60	44.6724	9.2	...	37.116	-38.382	-5	M	...
...	54.422	-57.879	0.85	44.6719	10.2	†	46.314	-39.800	-5	M	...	...	37.056	+14.465	-5	M	...
2I	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
*	-54.185	+57.871	3.00	42.6632	8.5	S*	-46.311	-12.325	2.00	44.6726	8.3	...	-37.000	-38.952	-5	M	...
...	53.966	-38.108	-5	E	...	...	46.174	-40.301	-2	...	...	...	36.938	-30.226	-4	...	...
...	53.612	-4.615	-5	E	...	*	46.087	-18.292	1.00	44.6727	10.0	...	36.748	+57.474	1.05	42.6646	10.0
...	53.514	-47.605	0.90	44.6721	10.2	...	46.002	-28.337	-5	M	...	...	36.675	+31.993	-5	M	...
...	53.513	-6.392	-5	E	...	...	45.974	+59.575	0.80	42.6639	10.2	...	36.669	-49.867	-5	...	...
...	-53.411	+5.536	-5	...	...	...	-45.950	+24.510	0.80	43.6517	10.2	...	-36.642	-27.592	-5	M	...
...	53.305	-40.370	-5	...	...	...	45.826	+28.556	0.80	43.6518	10.2	...	36.620	+3.833	-5	M	...
...	53.109	-23.061	0.65	...	...	...	45.821	+54.800	-4	...	...	...	36.461	+57.736	-3	42.6647	10.6
*	52.906	+24.508	1.10	43.6511	10.0	...	45.779	+34.045	-5	...	...	...	35.934	-36.273	-4	...	...
...	52.905	-22.082	-5	M	...	...	45.740	+4.942	0.75	...	...	...	35.918	-33.484	-5	M	...
3I	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-52.453	+15.738	0.75	...	...	...	-45.644	-9.228	-5	M	...	...	-35.799	-14.931	0.65	...	...
...	52.397	+50.384	-5	...	...	...	45.464	+16.444	-5	M	...	...	35.668	-43.682	-5	M	...
...	52.146	-4.277	-5	M	...	...	45.313	-43.234	-5	M	...	*	35.587	-17.347	2.20	44.6733	8.7
...	52.065	+9.068	-5	...	...	...	44.984	+0.483	-4	...	...	...	35.529	+26.866	0.95	43.6521	10.2
...	52.022	-33.005	-5	E	...	†	44.752	-11.740	-5	M	...	...	35.525	+6.474	-5	...	...
...	-52.012	+18.452	-4	...	...	*	-44.532	-19.245	1.00	44.6728	10.0	...	-44.539	+39.210	-5	M	...
...	51.825	+41.040	-5	...	...	...	44.161	+41.245	-5	M	...	...	35.014	+7.417	0.95	43.6522	10.2
...	51.736	-21.908	-5	E	...	...	44.129	+36.607	-5	...	...	...	34.673	-1.198	-5	M	...
...	51.577	+9.580	-5	...	...	*	44.047	+47.920	1.15	43.6519	9.6	*	34.351	-7.384	1.15	44.6734	9.6
...	51.427	+48.941	0.85	43.6513	9.8	...	43.678	-11.209	-5	M	...	...	33.962	-4.488	-4	M	...
4I	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-51.372	-19.548	-5	M	...	...	-43.484	-47.954	-5	M	...	...	-33.845	-12.295	-5	M	...
...	51.330	-23.757	-5	E	...	...	43.179	-52.297	-3	...	...	...	33.806	-10.507	-5	M	...
...	51.272	-35.076	-5	E	...	...	43.157	+51.957	-3	...	...	*	33.496	-49.456	1.00	44.6735	10.2
*	51.223	+22.376	1.25	43.6512	9.4	...	43.125	-19.597	-5	M	...	*	33.447	-40.736	1.20	44.6736	9.4
...	51.173	+31.082	-5	...	...	...	43.082	+19.725	-5	M	...	...	33.351	-56.936	-4	M	...
...	-50.751	-12.210	0.80	...	...	...	-43.082	-6.103	-4	M	...	...	-33.283	+15.371	0.85	...	...
...	50.633	-31.229	-5	E	...	*	42.813	+56.596	1.30	42.6642	10.0	...	33.218	-32.511	-5	M	...
...	50.580	-47.259	-5	...	...	...	42.773	-25.771	-5	M	...	...	33.146	+7.826	-5	M	...
...	50.457	-27.390	0.80	44.6722	10.2	...	42.745	-44.393	-5	M	...	...	32.895	-31.137	0.80	...	...
*	50.227	-3.442	1.25	43.6514	9.4	*	42.729	-22.316	1.05	44.6729	9.8	...	32.688	-29.452	-5	M	...
5I	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-50.018	+50.620	-1	43.6515	10.2	...	-42.712	+1.100	-5	M	...	...	-32.174	-46.442	-5	M	...
...	49.985	+3.999	-5	...	...	...	42.558	+38.133	-3	...	...	...	32.118	+6.529	-5	M	...
†	49.893	+41.141	-5	...	...	...	42.451	+8.184	-4	...	...	...	31.908	-22.742	-5	M	...
...	49.649	+13.985	0.75	...	...	...	42.439	-59.321	-2	...	...	...	31.786	+15.878	-5	...	...
...	49.285	-50.931	0.85	...	...	...	42.397	-6.951	-5	M	...	...	31.737	-15.919	-5	M	...
...	-49.075	+21.662	0.75	...	...	...	-42.038	-35.914	-5	M	...	...	-31.485	-1.108	0.65	...	...
...	49.045	+16.858	-5	...	...	...	41.882	-11.800	0.85	...	...	*	31.369	+8.709	1.50	44.6737	9.0
...	48.762	-0.530	-4	M	...	...	41.878	-26.722	-5	M	...	...	31.368	-40.106	-5	M	...
*	48.748	+33.478	1.00	43.6516	10.0	...	41.854	+25.297	0.85	43.6520	10.2	...	31.274	-2.984	-5	M	...
...	48.621	-45.897	-5	M	...	...	41.778	-16.788	-5	M	...	...	31.193	-20.793	-5	M	...

S measured from 1, 131, 280, 426, 563, 700.
ES " " 54, 190, 344, 491, 631, 758.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-31.139	-11.045	-5	M	...	241	-24.705	-20.112	-5	M	...	301	-17.207	+58.139	-3	...	...
...	31.019	+36.871	-5	...	...	...	24.549	-38.000	-5	M	...	...	16.938	+1.866	-4	...	...
...	30.938	+44.116	-5	...	...	...	24.459	+51.475	-3	...	...	*	16.736	+6.351	1.05	43.6532	9.6
*	30.727	+38.662	1.00	43.6523	10.0	...	24.452	+11.118	0.80	...	...	...	16.732	-9.443	-4	M	...
†	30.443	+44.962	-4	...	...	...	24.366	+34.546	-4	...	...	...	16.706	-20.285	0.75	...	...
...	-30.271	-25.340	-5	M	...	...	-24.353	-43.647	-4	...	...	...	-16.356	+28.557	0.95	43.6533	10.2
...	30.222	+43.803	-5	...	...	...	24.175	-20.569	0.90	44.6747	10.2	...	16.186	+32.159	-5	M	...
...	30.212	-49.058	1.00	44.6738	10.2	...	23.922	-23.843	-5	M	...	...	15.933	-37.063	0.85	44.6756	10.2
...	29.924	-37.071	0.85	44.6739	10.2	*	23.894	+51.393	1.25	43.6526	9.8	...	15.904	-15.704	-1	...	...
...	29.827	+48.440	-4	...	...	...	23.746	-59.213	-5	M	...	*	15.766	+50.738	1.00	43.6534	10.2
191						251						311					
S*	-29.533	+29.538	1.85	43.6524	8.0	...	-23.680	-47.580	-5	M	...	...	-15.567	+51.062	0.90	43.6535	10.2
...	29.515	+25.511	-5	...	...	...	23.638	+33.277	-5	...	...	...	15.535	-49.947	-1	...	...
...	29.182	-25.699	-5	M	...	...	23.605	+41.840	-2	...	...	...	15.272	-41.830	0.70	...	...
...	29.168	+5.616	-3	A	...	...	23.398	-30.499	-5	M	...	...	15.036	-55.161	-5	M	...
...	29.033	-43.985	-5	M	...	...	23.365	+34.697	-5	M	...	†	15.011	+41.894	-5	...	...
...	-28.983	-48.350	-5	M	...	...	-23.268	-10.139	-4	M	...	...	-14.915	-56.877	-5	M	...
...	28.795	-40.245	-5	M	...	...	23.161	+22.094	-5	M	...	...	14.592	-28.667	-4	...	...
...	28.718	-41.199	-5	M	...	...	23.129	-36.803	-3	...	...	...	14.464	-12.226	0.85	44.6757	10.2
...	28.655	-25.763	-5	M	...	...	23.045	-14.079	-5	M	...	...	14.342	-1.440	-5	M	...
...	28.573	-27.776	-2	...	...	*	23.013	-37.645	0.85	44.6749	10.2	...	14.275	+13.215	-2	A	...
201						261						321					
...	-28.544	+39.828	-5	...	...	...	-22.960	-47.944	0.80	...	...	...	-14.011	+35.161	-5	M	...
†	28.528	+50.067	0.80	43.6525	10.2	...	22.784	+24.017	-5	...	...	*	13.905	+46.015	1.30	43.6536	9.2
...	28.443	+46.784	-5	M	...	...	22.771	-33.714	-4	M	...	...	13.857	-10.928	0.75	...	...
...	28.404	-37.316	-4	...	...	...	22.645	+0.275	-5	M	...	...	13.770	-13.585	-1	...	...
...	28.383	-22.682	-4	...	...	...	22.497	+20.432	-5	...	...	...	13.724	-39.354	-5	M	...
...	-28.223	+39.174	-5	...	...	...	-22.459	+40.235	-5	...	...	...	-13.638	+15.365	-5	M	...
...	28.179	+20.281	-4	...	...	*	22.368	-3.674	0.95	43.6527	10.2	...	13.011	-32.633	0.90	44.6758	10.2
...	28.137	-3.947	-2	...	...	...	22.271	-57.407	-3	...	...	...	12.676	-59.528	-5	M	...
...	28.137	-13.330	1.00	44.6740	10.0	...	22.261	+2.317	-5	M	...	*	12.202	+19.677	1.10	43.6537	9.6
...	28.099	-37.314	-5	M	...	...	22.026	+20.322	-5	M	...	*	11.985	+6.273	1.00	43.6538	10.0
211						271						331					
...	-28.073	-0.269	-5	M	...	...	-21.834	-11.075	-5	M	...	...	-11.717	-14.302	-5	M	...
...	27.882	-57.163	-2	...	...	...	21.347	+18.476	-5	...	...	*	11.610	+3.969	1.40	43.6539	9.2
...	27.683	+13.421	-5	M	...	...	21.245	+38.916	0.95	43.6528	10.2	...	11.454	+43.644	-5	...	...
...	27.314	+8.753	-5	M	...	...	21.212	+11.018	-5	M	...	...	11.409	-4.011	-5	M	...
...	27.276	+56.290	-5	...	...	...	20.496	+30.112	-5	M	...	...	11.388	-40.214	-4	M	...
...	-27.130	+59.519	0.65	...	...	...	-20.306	-44.472	-5	M	...	...	-11.225	-37.172	0.90	44.6759	10.2
...	27.099	-21.250	0.65	...	...	...	20.303	-30.932	-2	...	...	...	11.008	-23.007	-5	M	...
...	26.986	-58.365	-5	M	...	...	20.236	+58.305	-4	...	...	...	10.845	-3.289	0.80	...	...
n*	26.905	-26.401	1.00	44.6742	9.8	...	20.131	-47.928	-4	M	...	*	10.768	-15.505	1.00	44.6761	10.2
...	26.893	+59.856	-5	...	...	...	19.732	+54.349	-4	...	...	*	10.710	+21.851	1.10	43.6540	9.8
221						281.						341					
...	-26.774	-35.927	0.75	44.6741	10.2	...	-19.685	-33.975	-4	M	...	...	-10.310	-17.832	-5	M	...
n	26.713	-26.376	0.65	44.6742	9.8	*	19.273	-51.791	1.10	44.6750	9.8	...	10.276	+39.808	-4	...	...
...	26.690	+49.204	-3	...	...	...	19.181	-48.174	-5	M	...	...	10.155	-43.536	-5	M	...
...	26.566	+7.198	-5	M	...	...	19.143	+40.444	-3	...	...	†	9.803	-52.549	0.85	...	...
...	26.516	+44.324	-4	...	...	...	18.941	-45.831	-2	...	...	†	9.797	-49.829	-5	M	...
*	-26.441	-18.144	1.00	44.6744	10.0	...	-18.899	-9.000	0.85	44.6751	10.2	...	-9.678	+7.595	-5	M	...
...	26.431	+33.651	-3	...	...	...	18.704	-16.191	-5	M	...	...	9.465	-25.570	-5	M	...
*	26.349	-53.765	1.00	44.6743	9.8	...	18.523	-56.615	-5	...	...	*	9.342	+48.718	2.40	43.6541	7.8
...	25.700	+8.138	-5	M	...	...	18.473	-39.650	1.20	44.6752	9.4	...	9.119	-17.870	-2	B	...
...	25.692	-52.869	-5	M	...	...	18.416	+20.825	1.05	43.6529	9.8	*	8.969	+28.558	0.95	43.6542	10.0
231						291						351					
...	-25.586	-5.844	-1	A	...	S*	-18.238	+8.590	3.30	43.6530	7.1	*	-8.868	-34.452	1.15	44.6763	9.6
...	25.549	-49.375	-5	M	...	...	18.225	+21.499	-3	...	...	...	8.738	+34.645	-5	M	...
*	25.314	-39.230	1.10	44.6745	9.6	*	18.156	-8.941	1.10	44.6753	9.6	*	8.421	+56.644	1.40	42.6662	9.7
...	25.243	+38.709	-4	...	...	...	18.089	-19.194	1.05	44.6754	10.0	...	8.397	+41.207	-5	M	...
*	25.133	-52.822	1.00	44.6746	9.8	...	17.922	+7.793	-5	M	...	...	8.304	-11.198	-5	M	...
...	-25.072	-23.189	-4	...	...	*	-17.842	+41.326	1.00	43.6531	10.0	...	-8.109	+29.052	-5	M	...
†	24.939	+10.717	-5	...	...	...	17.733	+58.614	-5	...	...	...	7.986	-30.383	-2	...	...
†	24.922	-38.711	-2	...	...	...	17.542	-32.428	-5	M	...	...	7.730	+52.795	-5	...	...
†	24.886	-49.902	-5	M	...	...	17.483	+38.647	-5	...	...	...	7.708	-20.029	-5	M	...
†	24.828	-19.475	-3	M	...	S*	17.271	-45.021	2.80	44.6755	8.0	...	7.647	-24.210	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
361-420						421-480						481-540							
361	-7.610	+35.472	0.65	...	...	421	-0.419	-42.731	0.80	...	...	481	+8.091	-32.140	-1	a	...	
...	7.555	-57.563	0.65	...	...	...	* 0.226	+17.913	1.00	43.6550	9.8	...	...	8.104	+23.366	-5	m	...
...	7.502	+54.969	-5	...	...	...	0.200	-9.473	-5	M m	...	...	...	8.200	-9.840	-5	m	...
...	6.760	+7.135	-2	...	...	...	0.150	+36.528	-5	m	...	...	...	8.534	-59.381	-5	m	...
...	6.689	-39.677	-1	44.6764	10.2	...	-0.121	+38.417	0.90	43.6551	10.2	...	...	8.753	-1.436	-5	m	...
...	-6.376	-0.896	-5	M	...	...	+0.015	+33.664	0.90	43.6552	10.0	...	...	+9.139	-6.149	-2	b	...
...	6.341	-52.590	-5	M m	...	...	0.023	-32.989	1.05	44.6774	9.6	...	...	9.201	+21.778	-3	...	...
...	6.276	-1.516	-4	M	...	...	0.041	+30.634	-3	...	...	...	...	9.205	-21.813	-5	m	...
...	6.213	+25.448	0.90	43.6543	10.2	...	0.102	+9.336	-5	M m	...	...	...	9.224	+12.762	-5	m	...
...	5.955	+28.314	-5	M	...	...	0.677	+29.674	-4	m	...	...	...	9.970	+2.703	0.90	43.6557	10.0
371	-5.927	-28.960	2.30	44.6765	8.4	431	+0.757	-19.993	-5	M m	...	491	+10.057	+12.284	0.80	...	...
...	5.875	-0.759	-5	M m	...	...	0.785	-45.265	-5	M m	...	...	...	10.092	-33.455	0.75	...	...
...	5.718	-36.272	-5	M m	...	...	* 1.405	-46.834	1.10	44.6775	9.8	...	...	10.157	-38.450	-5	m	...
...	5.663	+14.524	-1	...	...	...	1.434	-32.797	-5	M m	...	...	...	10.256	+11.483	-2	...	...
...	5.583	-20.011	-4	M m	...	...	1.658	+4.670	-5	M m	...	...	...	10.418	+17.300	-5	m	...
...	* 5.494	-12.960	1.50	44.6766	8.9	...	* 1.771	-27.008	1.10	44.6776	9.6	...	...	* 10.529	+53.222	1.10	42.6670	10.1
...	5.430	-39.820	-4	M	...	...	1.969	-16.751	0.75	...	...	...	...	10.635	+5.489	-5	m	...
...	5.412	-11.569	-5	M m	...	...	1.991	+10.289	-5	M m	...	...	...	10.694	-33.368	0.65	a	...
...	5.078	+29.926	-2	m	...	...	2.548	+41.394	-5	M m	...	...	...	10.717	+23.349	-4	...	...
...	4.977	-20.618	-5	M m	...	...	2.661	-33.922	-5	M m	...	...	...	10.779	+25.538	-5	m	...
381	-4.936	+30.416	1.20	43.6544	9.4	441	+2.736	-35.740	1.10	44.6778	9.6	501	+10.939	-8.769	-5	m	...		
...	4.578	-22.243	2.00	44.6767	8.8	...	2.754	-13.351	1.10	44.6777	9.6	...	...	10.974	-42.444	-5	m	...
...	* 4.565	+34.001	1.00	43.6545	9.8	...	2.822	+53.559	-5	...	...	...	...	* 11.002	-48.319	1.80	44.6780	8.8
...	4.554	+50.453	-5	M m	2.830	+35.449	-5	M m	11.098	-37.412	0.80
...	4.355	+17.626	-5	M m	3.090	-59.539	-4	M m	11.236	-5.662	1.75	43.6558	8.7
...	-4.314	+45.343	-3	m	+3.236	-30.453	-4	M m	+11.407	+15.622	-5	m	...
...	4.128	-22.872	0.65	44.6769	10.2	...	3.244	+43.135	0.90	43.6554	10.2	...	...	11.503	+31.580	-5	m	...
...	* 4.119	-48.550	1.20	44.6768	9.4	S*	3.264	+41.043	1.35	43.6553	9.4	...	...	11.740	-14.534	-5	m	...
...	4.100	-53.786	-5	M m	3.311	-46.793	-5	M m	12.022	+52.821	-5
...	4.093	+11.216	-5	M m	...	...	3.540	+15.643	-2	...	...	...	...	12.041	+3.493	-5	m	...
391	-4.041	+56.372	-5	...	...	451	+3.590	+2.551	-5	M m	...	511	+12.140	-10.194	-5	m	...	
...	3.897	+19.427	-3	...	...	...	3.726	-33.041	0.80	...	...	...	...	12.627	-9.875	-2	b	...
...	3.691	+35.173	-5	m	...	...	3.850	+53.182	-5	M m	...	...	...	12.645	-15.258	-5	m	...
...	3.292	+31.087	-4	...	...	...	4.093	-53.049	-5	m	...	...	...	12.762	-29.530	-4	m	...
...	3.228	+29.520	-2	...	...	...	4.211	-26.773	0.70	...	...	...	...	12.808	-1.887	-5	m	...
...	-3.113	-52.393	-4	M m	+4.574	-59.115	-5	M m	+12.820	-57.181	-5	m	...
...	3.072	+43.651	0.80	43.6546	10.2	...	4.807	+40.808	0.80	43.6555	10.2	...	...	12.856	+36.985	-2	...	...
...	* 3.015	-46.131	7.20	44.6770	4.4	...	5.160	+15.669	-2	...	...	...	...	† 12.972	-35.033	-2	...	...
...	2.924	-52.355	-5	M m	5.387	+59.228	-5	13.067	+47.930	-4
...	2.751	+29.543	-4	m	5.464	+48.579	-5	13.271	-17.007	-3	b	...
401	-2.692	-55.622	5.80	44.6771	4.9	461	+5.465	-58.170	-3	...	...	521	+13.500	-45.710	0.90	44.6781	10.2	
...	2.518	+27.874	-5	M m	5.849	+14.763	-5	m	13.562	-38.580	-2
...	2.435	-3.101	-5	M m	6.008	+42.214	-5	m	13.580	+59.302	-2
...	2.367	+41.556	-5	M m	6.088	+33.856	-5	m	13.635	-18.110	-5	m	...
...	2.144	-38.948	-5	M m	6.221	-32.268	-4	m	* 14.108	+38.362	1.25	43.6559	9.4
...	-2.033	-11.368	-2	B m	+6.323	+24.036	-5	m	* 14.193	+27.563	0.90	43.6560	10.2
...	* 1.935	+23.270	1.20	43.6547	9.2	...	6.523	-32.406	-5	m	14.241	-33.945	-5	m	...
...	1.795	+52.724	-5	m	6.599	+32.961	-3	14.404	-27.250	-4	m	...
...	1.459	+2.618	-4	M m	...	...	6.840	+43.140	0.90	43.6556	10.2	...	...	14.512	-57.866	-5	m	...
...	1.382	-43.458	0.85	44.6772	10.2	...	6.951	-0.451	-5	m	14.568	-13.670	-5	m	...
411	-1.380	+12.281	1.00	43.6548	9.8	471	+7.006	+56.137	0.85	...	...	531	+14.701	-58.539	-2	...	...
...	1.376	+29.215	-5	M m	...	...	7.216	-36.003	0.90	...	...	...	...	S* 14.781	-7.175	3.20	43.6561	7.5
...	1.021	-49.365	-2	7.258	-43.367	-5	m	14.903	-2.160	0.90	43.6562	10.2
...	0.942	+21.316	-3	7.286	-13.878	1.10	44.6779	9.8	15.278	-49.928	-2
...	* 0.880	+23.272	1.10	43.6549	9.6	...	7.378	+25.944	-4	15.354	-29.988	-5	m	...
...	* 0.861	-11.349	1.00	44.6773	9.8	...	+7.476	+35.869	-2	-15.304	-31.599	-5	m	...
...	0.722	+6.309	-5	M m	7.503	+53.364	-5	m	* 15.541	-43.231	1.05	44.6783	9.8
...	0.683	-2.371	-5	M m	7.674	+2.947	-5	m	15.681	-22.572	-4	m	...
...	0.495	-3.659	-5	M m	7.959	-55.687	-5	m	15.822	-47.050	-5
...	0.460	-52.540	-2	7.986	+6.142	-3	15.909	-11.145	-4	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-600						601-660						661-720					
541	+15°49'	+6°33'	0.95	43.6563	10.0	601	+25°629	+44°089	0.95	43.6568	10.2	661	+33°702	-2°091	-5	m	...
...	16°173	+2°671	-5	m	...	...	25°843	-12°392	1.05	44.6792	9.8	...	33°803	+55°382	-5	m	...
...	16°292	-17°453	-5	m	...	...	25°858	-5°572	-5	m	...	...	33°946	+32°916	-5	m	...
...	16°389	+13°527	-2	...	...	...	25°972	+25°250	0.90	43.6569	10.2	...	34°001	+3°013	-4	a	...
...	16°521	+14°499	-5	m	...	...	26°103	-4°204	-2	b	...	...	34°087	+45°862	-2	...	...
...	+16°833	-23°052	-4	m	...	...	+26°113	-24°426	1.15	44.6793	9.4	...	+34°134	-48°145	1.10	44.6802	9.8
...	17°083	-15°105	-5	m	...	...	26°143	+19°866	-2	...	...	...	34°398	+39°937	2.00	43.6574	8.6
...	17°204	-21°590	-5	m	...	...	26°478	-34°316	1.00	44.6794	10.0	...	34°610	+54°959	-4	...	...
...	17°220	+0°766	-3	a	...	...	26°851	-18°333	0.80	44.6795	10.2	S*	34°748	-43°425	2.75	44.6803	7.8
...	17°550	-53°101	-4	m	...	...	26°894	+58°641	1.05	42.6684	10.2	...	35°100	+16°966	-5	m	...
551	...	...	...	...	...	611	+26°900	-29°586	-4	m	...	671	+35°327	+16°960	-3	...	...
...	+18°163	+14°438	-5	m	...	...	26°988	+21°907	-3	...	...	...	35°713	+14°402	0.80	...	...
...	18°261	-36°052	-5	m	...	...	27°039	-36°656	-1	...	...	...	35°909	-50°552	-1	...	...
...	18°360	-48°795	0.85	44.6784	10.2	...	27°361	-40°186	-5	m	...	...	36°257	-47°738	-5	m	...
...	18°408	+11°116	-4	m	...	...	27°361	-40°186	-5	m	...	...	36°257	-47°738	-5	m	...
...	18°664	+40°206	-5	m	...	...	27°476	-59°322	1.20	44.6796	9.8	...	36°309	+30°801	-5	...	...
...	+18°718	+7°954	-5	m	...	...	+27°628	+36°385	-5	m	...	†	+36°373	-49°652	0.70	...	...
...	18°775	+8°798	-5	m	...	...	27°672	-42°069	1.40	44.6797	9.0	...	36°639	+43°254	-5	m	...
...	19°087	-3°868	-5	m	...	...	27°753	+31°258	-5	m	...	...	36°661	-43°781	0.70	44.6804	10.2
...	* 19°088	+12°640	1.25	43.6564	9.2	...	27°925	+11°948	-5	m	...	†	36°683	-39°601	1.40	44.6805	9.0
...	19°172	+4°197	-5	m	...	...	28°186	-3°083	1.15	43.6570	9.4	...	36°911	+40°488	-5	...	...
561	...	...	...	...	...	621	+28°338	+38°115	-3	...	...	681	+36°928	-51°795	-5	...	...
...	+19°478	-22°484	-5	m	...	...	28°740	+22°355	-5	m	...	...	36°948	-22°220	-5	m	...
...	† 19°578	-14°835	-5	m	...	...	28°844	+45°286	2.30	43.6571	8.4	...	36°972	+45°385	0.80	...	...
...	20°102	-36°609	-4	m	...	...	28°845	-28°945	-5	m	...	...	37°592	-11°074	0.85	44.6806	10.2
...	20°163	-17°929	-5	m	...	...	29°186	+53°061	-5	...	...	...	37°592	-11°074	0.85	44.6806	10.2
...	20°179	-10°320	-5	m	...	...	+29°274	+22°987	-4	...	...	...	37°656	-28°041	-5	m	...
...	+20°287	+36°090	-5	m	...	...	29°743	-27°742	0.80	...	...	...	* 37°951	-25°106	1.00	44.6807	10.0
...	* 20°325	-4°643	1.25	43.6565	9.4	...	29°743	-27°742	0.80	...	...	...	38°183	-23°207	-5	m	...
...	20°544	+59°357	-5	...	...	...	29°832	-47°962	-5	m	...	...	38°204	+43°506	-4	...	...
...	† 20°579	-44°625	-5	...	...	...	29°868	+31°480	-2	...	...	...	38°214	-53°062	-4	...	...
...	20°788	-38°586	0.70	...	...	...	† 29°933	-36°568	0.80	44.6799	10.2	...	38°305	+24°505	0.90	43.6575	10.2
571	...	...	...	...	...	631	+30°176	-9°233	0.70	...	...	691	+38°399	+53°383	0.80	42.6689	10.6
...	+20°856	+34°620	0.70	...	...	...	30°188	-45°212	-4	m	...	...	38°917	-29°499	0.65	...	...
...	20°973	+29°909	-5	m	...	...	30°269	+1°313	-5	m	...	...	38°981	+0°361	0.70	α	...
...	20°986	-53°317	-5	...	...	...	30°517	-10°661	0.80	...	...	...	* 39°212	-52°665	5.00	44.6809	5.9
...	* 21°218	-23°644	1.05	44.6785	9.8	...	30°688	-50°942	1.20	44.6800	9.4	...	39°454	-3°746	-5	m	...
...	* 21°233	-18°879	1.00	44.6786	10.2	...	+30°843	+10°309	-5	m	...	...	+39°632	-38°226	-2	...	...
...	* +21°655	+22°681	1.05	43.6566	9.6	...	30°847	-25°006	-4	...	...	...	39°690	+38°988	-2	...	...
...	21°802	+10°511	-5	m	...	...	30°918	-45°376	-5	m	...	...	39°740	+45°672	-5	m	...
...	21°993	+49°331	-3	...	...	...	31°123	+26°454	-5	m	...	...	39°902	-51°914	-1	44.6810	10.2
...	22°173	+17°675	-5	m	...	...	31°160	+29°256	-5	m	...	...	* 40°097	+56°660	1.00	42.6690	10.4
...	22°202	+6°142	-3	a	...	641	+31°308	+57°369	-5	...	...	701	+40°256	-53°875	-5	m	...
581	...	...	...	...	...	...	31°321	+21°084	-5	m	...	...	40°329	-50°972	0.95	44.6812	10.2
...	+22°337	+30°690	-4	...	...	...	31°327	-37°343	-5	m	...	...	40°335	-28°461	0.90	44.6811	10.2
...	22°423	-47°181	0.95	44.6787	10.0	...	31°388	-53°454	-5	...	...	...	40°400	+38°022	-5	...	...
...	22°441	-27°837	-4	...	...	...	31°526	-32°481	-5	m	...	...	40°710	+7°991	-5	m	...
...	22°576	+3°349	-4	m	...	...	+31°611	+0°867	0.80	...	...	...	+40°795	-14°547	-5	m	...
...	22°673	+36°102	-5	m	...	...	31°675	+46°903	1.30	43.6572	9.4	...	41°020	-15°916	-1	...	...
...	+22°820	+29°958	-4	...	...	...	* 31°850	+42°228	1.05	43.6573	9.6	...	* 41°147	+34°751	3.80	43.6576	7.4
...	22°957	-37°349	-5	m	...	...	32°277	-36°026	-1	...	...	...	* 41°596	+53°760	1.70	42.6691	9.0
...	* 23°034	+31°061	1.05	43.6567	10.2	...	32°398	-13°110	-4	m	...	...	41°598	-48°061	-5	m	...
...	23°136	+0°087	-5	m	...	651	+32°594	+54°777	-5	...	...	711	+41°835	+36°411	0.90	43.6577	10.0
...	23°474	+51°759	-4	...	...	...	32°640	+53°627	-5	...	...	...	* 41°960	+17°289	1.10	43.6578	9.8
591	...	...	...	...	...	...	32°714	-30°657	1.10	44.6801	9.6	...	42°209	+15°053	-5	...	...
...	+23°687	-36°813	0.85	44.6788	10.2	...	32°725	+49°245	-4	...	...	...	42°283	-10°755	-4	m	...
...	* 23°934	-14°292	1.00	44.6789	10.2	...	32°734	-12°175	-4	m	...	...	42°418	-11°925	-4	m	...
...	24°026	+20°802	0.80	...	...	...	+32°833	-12°694	-5	m	...	...	+42°566	-38°572	0.95	44.6813	10.2
...	24°259	-34°564	0.80	44.6790	10.2	...	32°837	-24°959	-5	m	...	...	42°762	-17°132	-5	m	...
...	24°443	-54°001	-5	m	...	...	33°034	+12°575	-5	m	...	...	43°056	+49°959	-5	...	...
...	+24°627	-34°522	-5	m	...	...	33°098	-22°489	-5	m	...	...	* 43°132	-33°868	-5	m	...
...	24°683	+33°171	-5	m	...	...	33°227	+8°450	-5	m	...	...	43°142	-4°308	1.00	43.6579	9.8
...	* 24°881	-52°737	1.40	44.6791	9.4	...	...	...	...	...	...	...	...	...	...	...	...
...	25°361	+24°793	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	25°531	+40°706	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
721-760						761-800						801-811						
721	+43.176	-17.156	0.75	...	...	761	+50.274	+35.369	0.90	43.6585	9.8	801	+56.892	+39.362	-5	...	...
...	43.239	-37.884	-5	<i>m</i>	...	...	50.464	+8.373	0.80	...	...	...	56.943	-49.898	2.60	44.6827	8.4	
*	43.276	+8.360	1.10	43.6580	9.8	S*	50.643	+35.462	2.20	43.6586	8.9	...	...	57.161	+40.227	1.45	43.6589	9.2
...	43.279	-1.857	0.80	...	...	...	50.847	-47.429	0.70	44.6819	10.2	...	...	57.234	+46.472	-5	...	...
...	43.493	+34.528	-5	...	...	...	51.031	-24.814	0.80	44.6820	10.2	...	...	57.235	-22.220	2.50	44.6826	8.2
*	+43.541	+41.752	1.00	43.6581	9.8	...	+51.366	+51.024	-5	...	...	...	...	+57.362	+44.638	-5	...	...
...	43.590	-52.094	-5	...	...	...	51.521	+27.404	-2	...	...	...	...	58.611	-39.832	-5	...	...
...	43.862	-31.902	-3	...	...	...	51.738	-56.745	1.10	44.6821	10.2	...	...	58.975	-3.994	-5	<i>e</i>	...
...	44.319	-27.651	-5	...	...	...	52.040	+7.817	-2	...	...	...	...	59.316	-25.026	-5	<i>e</i>	...
...	44.375	-42.871	-5	<i>m</i>	...	...	52.048	+37.733	-3	...	...	...	...	59.319	+13.411	-5	...	...
731	+44.443	-4.844	0.80	...	...	771	+52.082	-4.750	1.10	43.6587	9.6	801	+59.793	-52.252	1.10	44.6829	9.8	
†	44.803	+41.811	-5	...	...	...	52.486	+56.137	-5	<i>e</i>	...	...	...	...	...	...	...	...
*	44.996	+21.262	1.15	43.6582	9.6	...	52.756	+6.862	-5	<i>e</i>	...	...	...	...	...	...	...	...
*	45.109	+56.945	1.50	42.6693	9.8	...	52.830	-52.832	0.85	44.6822	10.2	...	...	...	...	...	...	...
...	45.368	-25.957	-5	<i>m</i>	...	...	52.954	+39.576	0.70	...	...	...	...	...	...	...	...	...
...	+45.549	+9.046	0.75	...	...	...	+53.019	+26.483	-3	...	...	...	...	...	...	...	...	...
...	45.577	-12.042	0.80	...	...	...	53.019	-18.565	-2	<i>e</i>	...	...	...	...	...	...	...	...
...	45.800	+33.534	0.70	...	...	...	53.096	-38.696	0.80	...	...	...	...	...	...	...	...	...
...	46.089	+2.485	0.70	...	...	...	53.212	+36.616	-5	...	...	...	...	...	...	...	...	...
...	46.440	+44.378	-5	...	...	...	53.266	-0.602	0.75	<i>e</i>	...	...	...	...	...	...	...	...
741	+46.499	-44.783	1.25	44.6814	9.6	781	+53.647	-37.471	-5	<i>e</i>	...	...	...	...	...	...	...	...
...	47.204	-41.595	-5	...	...	...	53.678	-0.798	-5	<i>e</i>	...	...	...	...	...	...	...	...
...	47.223	-20.846	-5	<i>m</i>	...	...	53.818	+25.523	0.90	43.6588	10.2	...	...	...	...	...	...	...
...	47.308	-7.993	0.95	44.6815	10.2	...	54.147	+2.089	-5	<i>e</i>	...	...	...	...	...	...	...	...
*	47.405	+31.953	1.10	43.6583	9.8	...	54.354	-50.899	-5	<i>e</i>	...	...	...	...	...	...	...	...
...	+47.550	+1.144	-4	<i>a</i>	...	...	+54.403	-28.901	-5	<i>e</i>	...	...	...	...	...	...	...	...
*	47.645	-14.949	1.10	44.6816	10.0	...	54.521	+43.152	-2	...	...	...	...	...	...	...	...	...
...	47.680	-40.195	-5	<i>e</i>	...	...	54.695	+2.381	-4	...	...	...	...	...	...	...	...	...
...	48.067	+15.039	0.95	43.6584	10.2	...	54.917	+3.777	-5	<i>e</i>	...	...	...	...	...	...	...	...
...	48.296	-33.130	-4	<i>e</i>	...	S†	54.922	-18.780	2.00	44.6823	8.7	...	...	...	...	...	...	...
751	+48.354	+21.508	-5	...	...	791	+54.967	-15.282	-2	...	...	...	...	...	...	...	...	...
...	48.372	-20.720	-4	<i>e</i>	...	...	55.271	-8.145	-5	<i>e</i>	...	...	...	...	...	...	...	...
...	48.741	+48.971	-1	...	...	...	55.311	-22.962	0.65	44.6825	10.2	...	...	...	...	...	...	...
...	49.110	-38.021	-5	<i>e</i>	...	...	55.351	-19.213	1.20	44.6824	9.6	...	...	...	...	...	...	...
...	49.179	+14.253	-5	<i>e</i>	...	...	55.640	+11.558	-5	...	...	...	...	...	...	...	...	...
...	+49.544	+12.320	-5	...	...	...	+56.175	-2.575	-5	<i>e</i>	...	...	...	...	...	...	...	...
...	49.667	-44.243	-5	...	...	...	56.182	+2.651	-5	<i>e</i>	...	...	...	...	...	...	...	...
n*	50.071	+35.248	1.10	43.6585	9.8	...	56.261	-41.512	-5	<i>e</i>	...	...	...	...	...	...	...	...
...	50.173	-51.869	-4	...	...	...	56.524	+17.635	-5	...	...	...	...	...	...	...	...	...
...	50.214	-22.353	-5	<i>e</i>	...	...	56.717	+52.750	-4	...	...	...	...	...	...	...	...	...

758, 761. C.P.D., mass.

1-10						11-20						21-30					
I	x.	y.	Diam.	No.	Mag.	II	x.	y.	Diam.	No.	Mag.	21	x.	y.	Diam.	No.	Mag.
†	-59.838	-15.123	0.95	44.6816	10.0	S†	-58.359	+35.348	2.00	43.6586	8.9	...	-56.160	-51.965	-5	...	...
...	59.499	-25.840	-5	<i>M</i>	...	...	58.077	+50.931	-5	...	...	...	56.149	-24.880	0.80	44.6820	10.2
...	59.462	-41.780	-5	...	...	...	57.715	+8.270	0.85	...	...	...	56.129	+7.763	0.80	...	...
...	59.180	+14.111	-4	<i>E</i>	...	...	57.641	-38.154	-4	<i>E</i>	...	...	55.820	+36.570	-3	...	...
...	59.017	-40.365	-5	<i>E</i>	...	...	57.248	+27.318	0.65	...	...	...	55.766	-19.853	-5	<i>M</i>	...
...	-58.931	-20.863	-4	<i>E</i>	...	...	-57.146	+56.062	-5	<i>E</i>	...	...	-55.708	-26.453	0.65	...	...
n*	58.927	+35.119	1.00	43.6585	9.8	...	57.037	-22.456	-5	<i>E</i>	...	...	* 55.690	-4.790	1.10	43.6587	9.6
...	58.754	+12.194	-3	...	...	...	57.023	+37.657	-1	...	...	...	55.623	-47.497	-3	44.6819	10.2
n*	58.717	+35.244	0.90	43.6585	9.8	...	56.228	+3.561	-5	<i>M</i>	...	...	55.371	-6.820	-5	<i>E</i>	...
...	58.614	-33.283	-5	<i>E</i>	...	...	56.162	+39.529	0.80	...	...	...	55.188	+4.052	-5	<i>M</i>	...

L measured from 1, 153, 337, 505, 650, 800.
MC " " 77, 243, 426, 576, 720, 889.

7.9. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
	31-90						91-150						151-210					
3I	-54.887	+25.507	0.70	43.6588	10.2	9I	-47.022	-55.157	-5	...	...	15I	-40.563	+2.106	-4	M	...	
...	54.724	+43.143	-1	...	...	...	46.869	+56.320	-5	M	...	...	* 40.377	-7.911	2.10	44.6834	8.5	
...	54.646	-0.611	-1	E	...	...	46.864	-18.408	-4	M	...	...	...	39.684	+21.002	-4	M	...
...	54.631	+22.502	-5	M	...	...	46.861	-39.702	-4	M	...	...	* 39.616	+49.321	1.30	43.6596	9.4	
...	54.474	-56.785	-1	44.6821	10.2	...	46.788	+50.392	-5	M	...	...	...	39.579	-11.901	-2	A	...
...	-54.352	-18.578	-2	E	...	...	-46.684	-0.842	-3	M	...	...	...	-39.503	-1.108	-5	M	...
...	54.336	+19.331	-5	M	...	...	46.678	+21.785	-5	M	...	...	...	39.453	+31.778	-5	M	...
...	54.233	-0.793	-5	E	...	*	46.561	-52.036	1.15	44.6829	9.8	*	...	39.416	-40.034	1.20	44.6835	9.4
...	53.866	+2.082	-5	E	...	...	46.406	-22.498	0.90	44.6830	10.2	...	...	39.380	+8.438	-4	M	...
...	53.661	-38.703	-1	...	...	...	46.368	+45.039	-4	...	...	...	...	39.343	-35.435	-5	M	...
4I	-53.554	+12.814	-4	M	...	10I	-46.322	+15.811	-4	M	...	16I	-39.201	+3.914	0.70	...	...
...	53.477	-52.832	-1	44.6822	10.2	...	45.739	+53.974	-1	...	...	n*	39.023	+32.568	1.00	43.6597	9.8	
...	53.320	+2.419	-3	...	...	*	45.701	-12.160	1.00	44.6831	10.0	...	...	38.935	+48.388	-1	...	...
...	53.163	-37.461	-5	E	...	...	45.526	-37.299	-4	M	...	n	...	38.918	+32.354	0.65	43.6597	9.8
...	53.145	+3.800	-4	E	...	n	45.486	+26.900	0.80	...	...	...	...	38.878	-40.561	-4	...	...
...	-52.995	+46.462	-5	M	...	n	-45.461	+26.666	-1	43.6592	10.2	...	...	-38.533	-15.094	-5	M	...
...	52.980	-2.802	-5	M	...	...	45.440	-33.031	0.65	...	...	...	...	38.526	-42.614	-5	M	...
...	52.827	-11.348	-5	M	...	...	45.384	+59.573	-5	M	...	*	...	38.461	+41.141	1.00	43.6599	9.8
...	52.809	+52.816	-2	...	...	...	45.152	+39.017	-5	M	...	...	...	38.315	+51.806	-5	...	...
...	52.655	-28.866	-5	E	...	...	45.033	-35.783	-4	...	...	*	...	38.086	+0.001	1.00	43.6598	9.8
5I	-52.637	+11.612	-4	...	...	11I	-45.019	+18.216	-5	M	...	17I	-38.071	+17.315	-4	M	...	
...	52.504	-15.237	0.65	...	...	...	44.956	-54.455	-2	...	...	...	...	38.005	+8.820	-3	A	...
...	52.502	+46.269	-5	...	...	...	44.746	+6.506	0.80	...	...	...	...	37.953	+45.153	-4	M	...
S*	52.431	-18.738	2.00	44.6823	8.7	...	44.407	+26.978	-5	M	...	...	...	37.837	+51.313	0.80	...	...
...	52.419	-8.094	-5	E	...	*	44.367	-5.656	1.00	43.6593	10.0	...	...	37.666	-36.946	-5	M	...
...	-52.296	-19.870	-4	M	...	...	-44.339	-48.741	3	...	...	...	...	-37.653	+32.330	-5	M	...
...	52.232	+39.408	-5	...	...	...	44.191	+36.139	-5	M	...	...	...	37.606	+18.480	-5	M	...
...	52.115	+46.549	-5	...	...	...	43.963	-20.183	0.80	...	...	...	...	37.502	-32.564	-5	M	...
...	52.054	-50.840	-5	E	...	...	43.568	-37.317	-3	M	...	...	...	37.181	-22.640	0.75	...	...
...	52.043	+2.837	-5	M	...	...	43.550	+19.061	-5	...	...	...	...	37.086	-19.836	-5	M	...
6I	-51.989	-19.162	1.00	44.6824	9.6	12I	-43.548	+0.975	0.85	...	...	18I	-36.967	+29.404	-5	M	...	
*	51.975	+40.310	1.40	43.6589	9.2	...	43.507	-30.004	-4	M	...	...	...	36.858	+14.985	-2	A	...
...	51.939	+17.712	-4	...	...	...	43.340	-4.608	-4	M	...	...	...	36.851	-13.970	-5	M	...
...	51.921	+44.703	-4	...	...	...	43.321	+10.621	-5	M	...	...	...	36.639	+21.262	-2	...	...
...	51.909	-22.910	0.85	44.6825	10.2	...	43.308	+52.691	-3	...	...	...	...	36.523	+33.046	-2	...	...
...	-51.835	+2.739	-4	E	...	...	-43.287	+54.758	-3	A	...	...	...	-36.490	+36.953	-4	...	...
...	51.658	-2.491	-5	E	...	*	43.261	+35.877	1.10	43.6595	9.8	...	...	36.464	+18.268	-3	A	...
...	51.400	+12.986	-5	M	...	...	43.248	+23.173	-4	M	...	...	...	36.290	-3.492	-5	M	...
...	51.337	-27.152	-5	M	...	...	43.223	+11.143	0.80	43.6594	10.2	...	...	36.279	+27.310	-2	A	...
...	51.317	+44.124	-5	M	...	...	43.152	-3.010	-5	M	...	...	...	36.051	-6.220	-3	M	...
7I	-50.930	+39.264	-5	M	...	13I	-42.772	-6.049	-5	M	...	19I	-35.998	-32.269	-2	A	...	
...	50.626	+0.353	-5	M	...	...	42.733	+27.486	-3	...	...	*	...	35.648	-20.422	1.15	44.6837	9.4
...	50.421	-41.408	-5	E	...	...	42.524	-56.291	-3	...	...	*	...	35.640	+35.526	1.00	43.6600	10.0
...	50.364	-10.268	-5	M	...	...	42.523	-57.507	-1	...	...	...	...	35.604	-20.626	0.70	...	...
...	50.121	-50.525	-5	M	...	...	42.408	+20.993	-5	M	...	*	...	35.533	+45.433	1.00	43.6601	9.8
*	-50.009	-22.110	2.60	44.6826	8.2	...	-42.303	-15.254	-4	M	...	†	...	-35.495	-4.545	-5	M	...
*	49.467	-49.780	2.20	44.6827	8.4	...	42.180	+41.076	-3	...	...	...	...	35.417	+16.315	-2	A	...
...	49.031	+13.596	-3	...	...	...	42.144	-2.645	-4	M	...	...	...	35.414	-23.773	-5	M	...
...	48.835	-3.842	-4	E	...	*	42.144	-35.999	1.30	44.6832	9.4	...	...	35.241	+38.645	-5	M	...
...	48.699	-42.763	-5	M	...	...	41.974	-20.227	-4	M	...	...	...	35.187	+55.296	-2	...	...
8I	-48.357	-29.396	-5	M	...	14I	-41.917	-16.663	-4	M	...	20I	-35.183	+6.920	-5	M	...	
...	48.187	-16.280	-5	M	...	...	41.814	-31.275	-4	M	...	...	...	35.109	+37.561	0.65	...	...
...	48.146	+26.946	-1	...	...	...	41.501	-12.539	0.80	...	...	...	...	34.618	-11.145	0.70	...	...
...	48.123	-39.659	-3	...	...	...	41.383	-27.701	-3	...	...	...	...	34.331	-58.885	-4	...	...
...	48.116	+8.615	-5	M	...	...	41.282	+10.694	-3	...	...	...	...	33.792	+31.478	-5	M	...
...	-47.862	-34.542	-5	M	...	...	-41.062	+53.186	-3	...	...	...	...	-33.643	-46.510	-5	M	...
...	47.855	-24.833	-4	E	...	...	41.002	+15.190	-4	M	...	...	...	33.584	-34.721	-5	M	...
*	47.703	+13.379	0.95	43.6591	10.0	...	40.972	+33.932	-4	M	...	...	...	33.345	-45.072	-3	M	...
α*	47.693	-0.185	1.00	43.6590	10.0	...	40.924	+11.754	-5	M	...	*	...	33.128	+24.203	1.40	43.6602	9.2
...	47.241	+12.297	-4	...	...	*	40.758	-17.423	1.30	44.6833	9.4	*	...	32.904	-52.611	1.20	44.6838	9.4

105, 106. C.P.D., probably mass.

162, 164. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-32'846	+31'367	-5	M	...	271	-26'008	+25'834	-3	...	...	331	-20'510	-2'037	0.70	...	...
...	32'762	-53'032	-5	M	...	...	25'950	+6'599	-2	...	...	...	20'254	+24'240	-4	M	...
...	32'428	-31'349	-5	M	...	...	25'792	-26'990	-4	M	...	...	20'179	+55'939	-4	M	...
...	32'371	-15'905	0.70	...	...	...	25'762	+18'969	-3	...	...	...	20'168	+20'526	-5	M	...
...	32'215	+19'613	-5	M	...	...	25'386	+7'004	-5	M	...	...	20'088	-27'368	-3	...	...
...	-32'028	-20'209	-4	M	...	...	-25'321	+54'733	-4	M	...	...	+20'010	+53'034	1.00	43.6607	10.2
...	31'974	+28'446	0.90	...	...	...	25'182	-30'058	-3	M	...	...	19'771	+47'916	0.95	43.6608	10.2
...	31'935	+0'681	-5	M	...	...	25'043	+47'545	-4	M	...	...	19'659	-31'793	-2	A	...
...	31'917	-11'542	0.80	...	...	...	24'906	-5'015	-4	M	...	...	19'503	+40'973	-5	M	...
...	31'907	-38'187	-5	M	...	...	24'843	+15'960	-3	...	...	...	19'392	-18'250	-5	M	...
221	-31'883	-5'098	-5	M	...	281	-24'725	-46'923	-5	M	...	341	-19'192	+39'834	-4	M	...
...	31'821	-27'498	-4	M	...	...	24'676	+18'638	0.85	...	...	...	19'066	+26'424	-4	M	...
*	31'603	-35'721	1.30	44.6839	9.0	...	24'574	+34'281	-5	M	...	...	19'023	+46'516	-4	...	...
...	31'597	-30'318	-5	M	...	*	24'520	-15'082	1.00	44.6845	9.8	...	18'984	+26'852	-4	M	...
...	31'593	+32'440	-3	A	...	...	24'468	+24'544	-5	M	...	*	18'961	+24'630	1.70	43.6609	8.7
...	-31'498	+34'980	-4	M	...	...	-24'230	-26'519	-4	M	...	...	-18'961	-3'385	0.80	...	...
*	31'491	+53'152	1.00	43.6603	10.2	...	24'212	-4'086	-5	M	...	...	18'876	-19'974	0.70	A	...
...	31'491	+13'463	-5	M	...	...	24'107	-24'031	-5	M	...	...	18'860	-9'123	-5	M	...
...	31'266	-20'598	-4	M	...	...	24'086	-31'160	-3	M	...	...	18'830	-21'366	0.70	A	...
...	31'248	-36'529	-5	M	...	...	23'900	+45'468	-2	...	...	...	18'816	+56'988	4	...	...
231	-31'081	+10'606	-5	M	...	291	-23'774	+8'427	-4	...	...	351	-18'622	+7'182	-5	M	...
...	30'920	-51'356	-5	M	...	...	23'616	-8'664	-4	M	...	*	18'538	-40'786	1.00	...	...
*	30'877	-45'130	0.95	44.6840	10.2	...	23'471	+16'687	-4	M	...	*	18'439	-40'643	0.90	44.6849	10.2
...	30'820	+12'997	0.70	...	...	...	23'455	-22'410	-4	M	...	*	18'401	+38'486	0.90	...	...
...	30'757	+17'878	0.75	...	...	...	23'285	+10'293	-4	M	...	...	18'340	-45'979	-5	M	...
†	-30'752	+55'301	-5	M	...	...	-23'226	-29'196	-4	M	...	...	-18'293	+18'807	-4	M	...
...	30'323	+49'796	0.80	...	...	*	23'220	-45'191	1.15	44.6847	9.8	...	18'155	-50'989	-5	M	...
...	30'290	+12'648	-5	M	...	*	23'158	-58'176	1.15	44.6846	9.8	...	18'100	-2'670	-3	M	...
*	30'166	-34'543	1.00	44.6841	9.4	...	23'125	-11'481	-5	M	...	...	18'099	+60'170	-2	...	...
...	30'150	+36'767	-3	A	...	...	23'081	+44'065	-4	M	...	...	18'034	-15'952	0.75	...	...
241	-30'134	-0'373	0.70	B	...	301	-22'833	+7'517	-5	M	...	361	-17'853	+45'158	-3	A	...
†	30'022	-27'375	-4	...	...	...	22'794	+6'818	-5	M	...	...	17'851	-51'079	-4	M	...
†	29'939	+25'451	1.60	43.6604	9.0	...	22'708	+33'785	-4	M	...	...	17'773	+41'307	-4	M	...
...	29'857	-15'990	-4	M	...	*	22'673	+16'189	0.90	...	...	...	17'665	-43'195	0.75	...	...
...	29'724	+55'418	0.75	...	...	S*	22'589	-13'713	1.50	44.6848	9.2	*	17'631	+35'485	1.00	43.6610	9.8
...	-29'720	-36'507	-4	M	...	...	-22'578	+5'520	-4	M	...	...	-17'568	+57'164	-5	M	...
†	29'697	+45'378	-4	M	...	...	22'469	-29'090	-5	M	...	...	17'418	-42'986	0.70	...	...
...	29'611	+36'085	-3	...	...	S*	22'458	+8'256	2.10	43.6605	8.4	...	17'414	+54'116	-4	M	...
...	29'600	+11'607	-3	...	...	...	22'328	-28'118	-2	...	...	...	17'200	-54'210	-4	M	...
...	29'433	-17'724	-4	M	...	...	22'320	+10'172	-4	M	...	...	16'881	-29'162	0.85	...	...
251	-29'379	-52'333	-4	...	...	311	-22'304	+45'968	-4	M	...	371	-16'807	+45'966	0.65	...	...
...	29'165	-47'091	-3	...	...	...	22'246	+40'613	-4	M	...	...	16'534	-35'145	-5	M	...
...	29'009	+25'818	-5	M	...	...	22'241	+5'014	-3	...	...	...	16'233	-16'763	-5	M	...
...	28'886	+31'507	-5	M	...	...	22'215	-37'035	-3	...	...	...	16'178	-29'590	-1	...	...
*	28'671	-56'666	1.00	44.6842	10.2	...	22'111	-58'865	-5	M	...	...	16'096	+9'022	-1	...	...
...	-28'591	+4'283	-4	M	...	...	-22'008	+58'826	-5	M	...	...	-16'087	-33'611	-2	...	...
...	28'501	-7'546	-5	M	...	...	21'811	+22'536	-5	M	...	...	15'951	-45'444	0.90	...	...
...	28'393	+18'862	-5	M	...	...	21'742	-24'764	-4	M	...	S*	15'903	-54'682	2.00	44.6850	8.4
...	27'702	+18'790	-3	...	...	...	21'724	-21'668	-4	M	...	...	15'833	-33'891	-2	...	...
...	27'695	-57'732	-2	...	...	...	21'702	-49'881	-5	M	...	...	15'782	-4'072	-2	B	...
261	-27'377	-5'526	-4	M	...	321	-21'554	+9'961	-5	M	...	381	-15'772	+15'711	-4	M	...
...	27'270	-11'087	-3	M	...	...	21'539	+41'689	0.80	...	...	...	15'436	-46'402	-5	M	...
*	27'125	-14'317	1.40	44.6843	9.4	...	21'435	+11'676	-2	...	...	...	15'422	-37'971	-5	M	...
...	27'036	+16'663	-3	...	...	...	21'300	+46'006	0.90	43.6606	10.2	...	15'320	+7'081	-3	...	...
...	26'940	+38'903	-2	...	...	...	21'229	-13'961	-4	M	...	...	15'218	+2'782	0.70	...	...
...	-26'571	-4'046	-4	M	...	...	-21'136	-46'256	-4	M	...	...	-15'192	+19'984	-4	...	...
...	26'566	-4'286	-4	M	...	...	20'751	-48'555	-4	M	...	...	14'874	-38'765	-4	M	...
...	26'470	-19'255	-5	M	...	...	20'615	+6'265	-4	M	...	...	14'861	-39'417	0.70	...	...
...	26'423	+32'593	0.75	...	...	...	20'526	+56'781	-5	M	...	...	14'680	-26'091	0.70	...	...
...	26'142	-41'845	-5	M	...	...	20'522	+34'384	-5	M	...	...	14'604	+43'061	0.70	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
391	-14.486	+53.079	2.70	43.6611	7.6	451	-7.540	+52.027	0.80	...	...	511	+1.414	+52.636	-5	M m	...
S *	14.260	+20.366	0.75	43.6612	10.2	...	7.413	-41.093	-5	M	...	...	+1.438	-28.491	0.70	M	...
...	14.257	-34.533	-4	M	...	*	7.291	-40.188	0.90	44.6858	10.2	...	1.445	+39.238	-5	M m	...
...	13.804	-53.416	1.20	44.6851	9.2	...	6.853	+25.785	-5	M	...	...	1.608	+14.040	0.70	...	...
...	13.791	+40.475	-5	M	...	...	6.620	-32.503	-1	...	...	...	1.699	-22.314	-3	M m	...
...	-13.764	-23.213	0.75	...	...	...	-6.403	+7.059	-5	M	...	...	+1.855	-56.214	-4	M	...
...	13.718	+50.468	-5	M	...	...	6.187	+51.462	-5	...	...	...	2.042	+9.162	-5	M m	...
...	13.533	+29.929	-1	...	...	...	6.011	+50.652	-4	...	...	...	2.057	-55.308	-4	M m	...
...	13.504	+42.876	0.70	...	...	...	6.001	-26.128	-4	M m	...	...	2.066	-24.190	-5	M m	...
...	13.322	+5.850	0.70	...	...	...	5.909	-54.544	-3	...	...	...	2.332	+0.771	0.90	43.6620	10.0
401	-13.242	-20.842	1.20	44.6852	9.4	461	-5.871	+18.910	-2	...	...	521	+2.349	+35.553	-5	M m	...
*	13.012	-5.276	0.65	B	...	...	5.726	-49.473	-4	M m	...	...	2.388	+39.284	-5	M m	...
...	12.915	-40.867	-5	M	...	...	5.677	+26.008	-5	M m	...	...	2.405	-12.391	0.80	44.6863	10.2
...	12.499	-39.721	0.95	44.6853	10.2	...	5.659	-54.043	0.90	44.6859	10.2	...	2.609	+58.370	-2	...	...
...	12.439	+58.150	1.10	42.6717	10.2	...	5.406	+23.967	-5	M m	...	...	2.853	-14.260	-4	M m	...
*	-12.352	-44.491	0.65	...	...	...	-5.373	-13.864	-5	M m	...	...	+3.097	+53.302	-4	...	...
...	12.003	+57.681	0.65	...	...	...	5.354	+38.620	1.30	43.6618	9.4	...	3.197	+40.234	-3	...	...
...	11.986	-52.113	1.25	44.6854	9.0	*	5.344	+53.372	1.00	43.6617	10.2	...	3.392	-27.078	-5	M m	...
*	11.730	-47.844	1.40	44.6855	9.0	...	4.958	-36.223	-3	M m	...	...	3.618	+45.719	-4	M m	...
...	11.561	+39.211	-5	M	...	*	4.872	-20.969	1.40	44.6860	9.4	...	3.641	+22.657	-5	M m	...
411	-11.486	+33.871	-5	M	...	471	-4.858	-8.154	-4	M m	...	531	+3.672	-26.300	-5	M m	...
...	11.436	-20.113	-5	M	...	...	4.856	+18.477	-2	...	...	...	3.795	-36.508	0.80	...	...
...	11.383	+49.745	-5	M	...	...	4.607	+37.553	-4	M	...	...	3.887	+36.426	-5	M m	...
*	11.362	-17.514	1.10	44.6856	9.6	...	4.566	-55.172	-3	M	...	...	4.189	-6.842	0.70	M	...
...	11.361	+35.089	-4	...	...	...	4.391	-50.456	-4	M m	...	...	4.300	-48.118	-3	...	...
...	-11.169	-39.722	-5	M	...	...	-4.219	+59.805	-3	...	...	...	+4.302	+2.803	-5	M m	...
...	10.878	-44.361	-5	M	...	...	4.076	-28.259	-5	M m	...	...	4.433	+47.431	0.85	43.6621	10.2
...	10.806	-9.083	-4	M	...	...	3.786	-58.390	-5	M m	...	...	4.478	+34.771	0.80	...	...
*	10.449	+12.185	1.00	43.6613	9.8	...	3.676	-26.323	-3	M	...	...	4.534	-0.076	-5	M m	...
...	10.395	-9.887	-5	M	...	...	3.330	+35.086	0.80	...	...	...	5.014	-5.629	0.80	43.6622	10.2
421	-10.360	-44.209	-2	...	...	481	-3.318	+4.203	-3	M	...	541	+5.094	+46.481	-5	m	...
...	10.301	+27.223	-5	M	...	...	2.992	+44.459	-3	...	...	*	5.273	-31.280	1.00	44.6865	10.0
...	10.264	-0.847	-5	M	...	...	2.877	+50.372	-5	M m	...	...	5.482	+13.457	-4	M	...
...	10.095	-6.662	1.00	44.6857	9.8	...	2.610	-3.264	-5	M m	...	...	5.900	+42.962	-5	M	...
...	10.087	+6.867	-5	M	...	...	2.546	+28.151	-4	M m	...	...	5.970	-4.108	-5	m	...
*	-9.872	+32.378	1.40	43.6614	9.4	...	-2.522	-22.836	-4	M m	...	...	+6.077	+9.722	-4	m	...
...	9.752	-25.872	-3	...	...	...	2.445	-51.933	-4	M m	...	...	6.130	+4.258	-5	m	...
...	9.630	-0.665	1.90	43.6615	8.8	...	2.445	-57.818	-3	...	...	...	6.296	-5.042	-4	m	...
...	9.533	+16.809	-5	M	...	...	2.401	+45.442	-3	...	...	...	6.787	+8.307	-2	...	...
...	9.514	+7.307	-4	M	...	...	2.313	-52.678	-4	M	...	...	6.808	+43.932	-2	...	...
431	-9.181	-51.582	-3	...	...	491	-2.204	-49.841	-4	M m	...	551	+6.874	-53.887	-5	m	...
...	9.150	+24.143	-3	...	...	...	2.107	+49.266	-4	M m	...	...	6.892	+49.641	0.65	...	...
...	9.141	-44.002	-2	...	...	...	2.005	-47.271	0.75	...	...	...	6.972	-23.488	-5	m	...
...	9.092	-5.144	-5	M	...	...	1.763	+32.591	0.80	...	...	*	7.064	-16.297	1.00	44.6866	10.0
...	9.013	+0.662	-4	M	...	S *	1.723	+26.873	1.40	43.6619	9.4	...	7.088	+14.924	-5	m	...
...	-8.964	-47.097	-4	M	...	...	-1.237	+37.970	-4	M m	...	...	+7.256	-53.987	0.95	...	...
...	8.931	-12.588	-4	M	...	...	1.230	+19.487	-4	M m	...	...	7.394	-30.463	-5	m	...
...	8.825	+49.968	-4	M	...	...	1.098	+54.766	-5	M	...	...	7.502	+22.559	-5	m	...
...	8.808	+26.848	1.10	43.6616	10.0	...	0.766	+18.585	0.85	...	...	...	7.814	+2.161	-5	m	...
...	8.603	+36.467	-4	M	...	...	0.727	-0.622	-4	M m	...	...	7.914	-33.650	-3	...	...
441	-8.558	-29.616	-4	M	...	501	-0.606	-40.592	1.40	44.6861	9.4	561	+8.227	+10.715	-5	m	...
...	8.489	+55.532	-5	M	...	...	0.466	-9.497	-4	M m	...	...	8.449	-38.331	-4	m	...
...	8.470	-52.116	-4	M	...	...	0.336	+15.302	-5	M m	...	...	8.579	-9.711	-5	m	...
...	8.428	+42.096	-4	M	...	...	0.285	+40.443	-4	M m	...	...	8.743	+37.870	-5	m	...
...	8.396	-29.820	-4	M	...	...	-0.010	+3.905	-5	M	...	...	8.753	+38.507	0.75	...	...
...	-8.364	+42.023	0.80	...	...	...	+0.359	-15.807	-5	M m	...	...	+8.797	-42.268	-2	...	...
...	8.275	+43.211	0.80	...	...	...	0.707	+6.235	0.70	M	...	...	8.798	+23.305	-5	m	...
...	7.909	-9.235	-5	M	...	*	1.016	-27.827	0.90	44.6862	10.2	...	8.811	-6.412	-5	m	...
...	7.858	+26.560	-5	M	...	...	1.129	+45.695	-5	M m	...	...	9.076	-11.936	-4	m	...
...	7.703	+4.667	-5	M	...	...	1.324	+24.187	0.65	...	...	...	9.154	-36.831	0.70	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
571-630						631-690						691-750						
571	+ 9.460	- 6.696	- 5	o	m	...	+ 18.059	- 34.177	- 4	o	m	...	691	+ 26.016	+ 20.679	- 2	o	...
...	9.494	- 10.116	- 5	m	...	...	18.232	+ 50.851	- 4	...	...	...	...	26.123	- 32.292	- 5	m	...
*	9.598	+ 16.117	1.05	43.6623	9.6	†	18.572	- 9.563	1.00	44.6872	10.2	...	...	26.392	- 30.787	0.90	44.6882	10.2
...	9.818	- 10.293	- 4	m	...	...	18.669	+ 42.665	- 4	m	...	...	...	26.484	- 51.021	- 4	...	...
...	9.820	+ 15.282	- 5	m	...	...	18.696	+ 18.589	- 5	m	...	...	...	26.799	- 2.299	- 4	m	...
...	+ 10.034	+ 56.774	0.80	...	...	*	+ 18.803	+ 30.999	1.30	43.6628	9.6	...	...	+ 26.940	- 36.120	- 5	m	...
...	10.240	+ 21.180	- 4	...	...	...	18.940	+ 21.710	- 3	a	...	...	...	27.047	- 35.936	- 4	...	...
...	10.317	- 26.483	- 4	m	...	...	18.993	+ 19.230	- 3	...	...	...	*	27.172	- 0.755	0.95	43.6631	10.0
...	10.459	- 16.376	- 2	...	...	...	19.000	+ 14.643	- 4	m	...	...	...	27.217	- 44.927	- 5	m	...
*	10.489	+ 44.530	0.95	43.6624	10.0	...	19.134	+ 35.675	- 5	m	...	...	...	27.590	- 50.232	- 3	...	...
581	+ 10.770	- 26.792	- 3	...	...	641	+ 19.221	+ 33.434	- 5	m	...	...	701	+ 27.663	+ 27.577	- 5	m	...
...	10.798	+ 30.124	- 5	m	...	...	19.468	- 10.670	- 4	m	...	...	...	28.119	+ 4.902	- 5	m	...
...	11.060	- 16.558	- 3	m	...	...	19.469	+ 12.933	- 5	m	...	...	...	28.125	+ 48.106	- 5	m	...
...	11.083	- 21.883	- 3	...	...	...	19.474	+ 39.817	- 5	m	...	...	...	28.157	+ 42.316	- 4	...	...
...	11.175	+ 45.661	- 5	m	...	S *	19.614	- 52.795	1.90	44.6873	8.5	...	...	28.187	+ 4.239	- 4	m	...
...	+ 11.560	+ 39.171	- 4	m	...	...	+ 19.669	- 3.160	- 4	m	...	...	...	+ 28.273	+ 44.476	- 4	...	...
...	11.612	+ 8.122	- 4	...	...	...	19.781	- 35.634	- 3	...	...	...	...	28.293	- 59.149	0.95	44.6883	10.2
...	11.660	+ 59.386	- 3	...	...	...	19.832	+ 19.155	- 5	m	...	...	...	28.337	- 31.791	- 5	m	...
...	11.848	+ 55.674	0.95	42.6729	10.2	†	19.836	- 32.662	- 4	...	...	...	...	28.464	+ 11.404	- 5	m	...
*	11.856	+ 19.292	0.95	43.6625	10.2	...	20.156	+ 30.878	- 5	m	...	...	...	28.614	- 53.377	- 5	m	...
591	+ 11.952	+ 45.816	1.60	43.6626	9.0	651	+ 20.239	+ 55.466	- 2	...	...	...	711	+ 28.644	+ 44.165	- 5	m	...
...	11.961	+ 42.355	- 5	m	...	...	20.757	- 42.162	0.95	44.6874	10.2	...	...	28.737	+ 4.836	- 5	m	...
*	11.999	+ 1.748	0.95	...	...	...	20.991	- 32.772	0.90	44.6875	10.2	...	...	29.084	- 57.431	- 5	m	...
*	12.310	- 34.613	1.15	44.6867	9.8	...	21.070	+ 47.070	0.80	...	...	...	...	29.111	- 16.371	0.70	...	...
...	12.624	- 30.557	- 2	...	...	...	21.124	- 38.251	- 5	m	...	...	...	29.215	- 2.170	- 4	m	...
...	+ 12.681	+ 6.424	- 4	m	...	...	+ 21.334	+ 4.509	- 5	m	...	...	†	+ 29.257	+ 50.221	1.00	43.6632	10.0
...	12.877	- 53.522	- 5	m	...	...	21.548	- 22.973	- 4	m	...	...	...	29.384	+ 39.287	- 4	...	...
...	12.896	+ 13.801	- 4	m	...	...	21.848	- 10.916	- 4	m	...	...	...	29.539	- 53.631	- 5	m	...
...	12.923	+ 41.468	- 5	m	...	...	22.054	- 40.941	1.00	44.6876	9.6	...	...	29.628	+ 34.600	- 5	m	...
...	13.167	- 29.931	- 3	m	...	...	22.184	+ 40.996	- 5	m	...	...	...	30.017	- 28.105	- 3	...	...
601	+ 13.213	- 31.792	- 5	m	...	661	+ 22.221	- 1.873	- 4	m	...	...	721	+ 30.054	+ 2.754	- 3	...	...
*	13.547	- 46.071	1.60	44.6868	9.0	†	22.568	- 44.514	- 1	44.6877	10.2	...	...	30.193	+ 54.334	- 5	...	...
*	13.556	+ 20.969	1.30	43.6627	9.6	...	22.739	+ 59.630	- 4	m	...	*	...	30.373	+ 28.283	1.00	...	...
...	13.746	- 52.736	- 5	m	...	...	22.951	+ 19.191	- 4	m	...	...	...	30.383	- 42.384	- 5	m	...
...	13.754	- 8.974	- 3	...	...	...	22.971	- 17.049	- 4	m	...	...	...	30.551	+ 43.433	- 5	m	...
...	+ 13.970	+ 8.697	- 4	m	...	*	+ 23.168	- 50.497	1.00	44.6878	10.2	*	...	+ 30.614	+ 21.462	1.15	43.6633	9.4
†	13.979	+ 50.238	- 4	...	...	...	23.333	- 4.963	- 3	m	...	...	...	30.802	+ 33.488	- 3	...	...
...	14.091	+ 26.114	- 5	m	...	...	23.425	- 17.342	- 2	a	...	...	...	30.857	- 47.401	- 5	m	...
...	14.339	+ 14.263	- 2	...	...	...	23.454	+ 0.946	- 2	...	...	...	*	30.891	- 11.624	0.90	44.6884	10.2
...	14.701	+ 24.655	- 4	...	...	...	23.487	+ 49.032	0.80	...	...	...	*	30.947	- 15.815	1.40	44.6885	9.4
611	+ 14.747	- 51.977	0.90	...	...	671	+ 23.729	- 8.639	- 3	m	...	...	731	+ 31.213	+ 41.064	1.30	43.6634	9.6
...	14.755	- 54.712	- 3	...	...	...	23.752	- 43.476	- 5	...	...	...	...	31.294	- 25.045	- 5	m	...
†	14.916	+ 11.440	- 4	...	...	...	23.776	+ 44.543	- 5	m	...	...	...	31.361	- 21.927	- 4	m	...
...	15.662	+ 43.320	- 2	...	...	...	23.820	+ 51.340	- 4	...	...	...	...	31.421	+ 20.625	- 4	m	...
...	15.738	+ 59.502	- 2	...	...	*	23.994	- 43.050	1.00	44.6879	9.6	...	...	31.450	+ 29.521	- 3	...	...
...	+ 15.854	+ 39.885	- 4	...	...	...	+ 24.094	+ 21.053	- 3	...	...	...	...	+ 31.507	- 54.106	- 3	...	...
...	16.268	+ 24.986	- 5	m	...	*	24.228	+ 43.116	1.00	43.6629	9.8	...	...	31.806	- 9.957	- 5	m	...
...	16.386	+ 52.466	- 3	...	...	...	24.348	+ 14.429	- 5	m	...	...	...	32.108	- 37.245	- 4	...	...
*	16.453	- 47.751	1.00	44.6869	10.0	...	24.539	+ 59.261	- 4	...	...	S *	...	32.109	+ 22.794	1.95	43.6635	8.4
...	17.007	+ 57.284	- 2	...	...	*	25.003	- 42.596	1.30	44.6881	9.2	...	...	32.518	- 15.880	- 4	...	...
621	+ 17.200	- 15.031	- 4	m	...	681	+ 25.131	- 56.396	0.95	...	...	...	741	+ 32.556	+ 42.045	- 5	m	...
...	17.332	- 46.017	- 5	m	...	...	25.336	- 55.312	- 5	m	...	...	...	32.665	- 26.458	- 5	m	...
...	17.372	- 17.186	- 4	m	...	...	25.551	+ 23.166	- 5	m	...	...	...	32.748	- 21.261	- 4	m	...
...	17.422	+ 43.813	- 5	m	...	...	25.573	- 44.624	- 3	...	...	...	...	32.756	+ 20.996	- 4	...	...
...	17.589	+ 1.390	- 3	...	...	...	25.695	+ 28.524	- 5	m	...	...	...	32.788	- 19.739	- 4	m	...
*	+ 17.651	- 20.389	1.00	44.6870	10.2	...	+ 25.732	- 12.664	0.75	...	...	...	...	+ 32.968	+ 18.544	- 4	...	...
*	17.869	- 54.754	1.20	44.6871	9.6	...	25.862	- 38.934	- 5	m	...	...	...	32.989	- 58.993	- 5	m	...
...	17.885	+ 25.904	- 5	m	...	...	25.872	+ 33.180	- 4	m	...	...	...	33.109	- 13.415	0.80	...	...
...	18.034	+ 22.304	- 5	m	...	...	25.876	- 47.831	- 3	...	...	...	...	33.115	- 1.007	- 5	m	...
...	18.038	- 52.653	- 3	...	...	*	25.893	+ 47.170	1.30	43.6630	9.2	...	...	33.183	+ 42.725	- 5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
751-810						811-870						871-930						
751	+33°290	+14°122	— 5	...	...	811	+41°054	+45°908	— 1	...	...	871	+48°501	—35°487	— 3	...	...
...	33°320	—22°934	0°90	44.6886	10.2	...	41°065	+31°494	— 4	...	...	...	48°606	+40°576	— 5	...	...
...	33°424	+56°971	— 4	...	...	*	41°136	+40°375	1°10	43.6640	9.6	...	...	48°658	+ 8°740	— 3	...	...
...	33°571	—32°235	— 5	m	...	...	41°160	—23°086	— 3	m	...	...	...	48°727	+10°062	— 5	...	...
...	33°674	+21°348	— 5	m	...	...	41°432	—40°598	— 5	m	...	...	...	48°795	+19°706	— 4	...	...
...	+33°702	+37°655	— 3	...	...	...	+41°527	—20°410	— 5	m	...	*	+48°895	+28°391	1°10	43.6643	9.4	
...	33°782	+48°173	1°10	43.6636	10.2	...	41°632	—55°481	— 4	...	...	...	...	49°011	—45°475	— 4	...	...
...	33°908	+40°321	— 3	...	...	...	41°940	+ 8°332	0°95	43.6641	10.2	...	...	49°015	+27°978	0°70	...	...
...	34°092	+59°517	1°40	42.6743	9.5	...	42°069	—19°049	— 4	m	...	*	...	49°025	—41°867	1°20	44.6897	9.6
...	34°171	—46°096	1°00	44.6887	10.2	...	42°265	— 7°490	— 4	m	...	...	...	49°076	+ 7°689	— 4	...	...
761	+34°344	—34°332	— 5	m	...	821	+42°377	+50°183	— 4	...	...	881	+49°106	—46°875	1°25	44.6898	9.4	
...	34°417	—53°774	1°00	44.6888	10.2	...	42°658	—16°706	— 4	m	...	...	...	49°110	—17°218	— 5	...	...
...	34°430	—15°380	0°75	...	...	...	42°698	—21°908	— 2	...	...	...	...	49°177	+14°380	0°90	43.6645	10.4
...	34°473	+ 3°828	— 4	m	...	...	42°858	+31°508	— 4	...	...	...	...	49°247	—58°455	— 5	...	...
...	34°618	+24°026	— 5	m	...	...	42°863	—47°298	— 4	...	...	...	...	49°291	+32°417	0°70	...	...
...	+35°009	—29°374	— 3	...	...	...	+43°014	—29°643	— 3	...	...	*	+49°312	+43°763	1°50	43.6644	8.8	
...	35°106	— 8°722	— 2	...	...	...	43°675	+39°278	— 5	m	...	...	...	49°436	+43°652	— 4	...	...
...	35°260	—14°690	1°00	44.6889	10.2	...	43°708	+58°084	— 4	...	...	...	...	49°501	+ 4°475	— 5	m	...
...	35°291	+28°531	1°50	43.6637	9.4	...	43°746	—16°607	— 5	m	...	...	...	49°955	—30°198	— 4	m	...
...	35°638	+35°818	— 3	...	...	...	43°750	—39°081	— 2	...	...	...	...	50°153	— 8°994	— 3	...	...
771	+35°678	—38°820	— 5	m	...	831	+43°803	+27°043	— 5	m	...	891	+50°251	+31°749	— 4	a	...	
...	35°869	+43°174	— 5	...	...	...	43°858	— 0°548	0°70	b	...	...	...	50°768	+ 5°274	— 3	...	...
...	35°934	— 5°707	— 5	m	...	...	43°897	+ 7°094	— 2	...	...	*	...	50°839	+59°971	2°20	42.6756	9.0
...	35°985	— 1°576	— 4	m	...	...	43°951	—15°538	0°75	...	...	...	...	50°972	— 9°534	0°80	44.6901	10.4
...	36°036	+14°586	0°85	...	...	S *	44°329	—10°467	1°40	44.6894	8.9	...	...	50°979	+51°121	— 3	...	...
...	+36°067	+58°244	— 5	...	...	...	+44°388	+ 2°226	— 5	m	...	...	...	+51°262	—11°241	— 3	...	...
...	36°089	—14°025	— 4	m	...	...	45°048	+20°686	— 5	m	...	...	...	51°738	+36°844	— 3	...	...
...	36°210	— 2°876	— 4	m	...	...	45°126	+ 9°434	— 5	m	...	...	...	52°135	+27°835	— 5	m	...
...	36°347	—35°572	— 5	m	...	...	45°181	—56°907	— 5	m	...	...	...	52°598	—26°196	— 5	m	...
...	* 36°486	—43°559	1°30	44.6890	9.6	...	45°238	—38°590	— 4	...	...	...	...	52°694	—26°876	— 4	...	...
781	+36°665	+40°981	— 4	...	...	841	+45°387	+ 7°601	0°80	...	...	901	+52°704	+24°384	1°50	43.6646	9.6	
...	* 36°905	+10°877	1°00	43.6638	10.2	...	45°404	+27°334	— 5	m	...	...	*	52°844	+53°481	1°50	42.6757	9.6
...	37°108	—45°553	— 1	...	...	...	45°782	+29°015	— 4	...	...	...	*	52°910	— 1°849	1°40	43.6647	9.3
...	37°564	—41°496	— 5	m	...	...	45°875	+19°927	— 4	...	...	...	...	53°145	—57°781	— 4	...	...
...	37°749	+34°756	— 3	...	...	...	46°081	— 5°277	— 5	m	...	...	...	53°462	+ 1°251	— 4	m	...
...	+37°975	+20°716	— 4	m	...	...	+46°167	+28°502	— 4	...	...	*	+53°521	—38°741	1°10	44.6902	9.8	
...	38°078	—59°108	— 1	44.6891	10.4	...	46°203	—43°799	— 5	m	...	...	...	53°526	+16°112	— 5	m	...
...	* 38°646	+58°944	2°00	42.6746	8.6	...	46°539	+14°458	— 5	m	...	...	...	53°631	+36°192	— 4	...	...
...	38°655	— 4°457	— 5	m	...	...	46°642	—36°137	— 3	...	...	...	...	53°742	+ 6°749	— 4	m	...
...	38°885	—46°688	— 5	m	...	...	* 46°660	—36°412	1°00	44.6895	9.8	...	*	53°865	+ 6°379	1°10	43.6648	9.9
791	+38°919	+22°045	— 1	...	...	851	+46°666	+58°796	1°80	42.6751	9.4	911	+54°064	—10°753	0°65	44.6903	10.4	
...	38°943	+42°558	— 4	...	...	*	46°672	+54°986	1°30	42.6750	9.9	...	...	54°113	+25°969	— 1	...	...
...	38°985	+ 6°670	— 5	m	...	...	46°948	— 6°896	— 4	m	...	*	...	54°204	—16°816	1°10	44.6904	9.8
...	39°106	—16°891	— 5	m	...	...	46°990	+22°418	— 4	...	...	...	...	54°301	+45°947	— 5	m	...
...	39°133	+48°335	— 4	...	...	...	47°076	+24°415	— 4	...	...	...	...	54°365	+32°990	— 5	m	...
...	+39°239	+31°702	— 3	...	...	...	+47°106	+23°609	— 4	...	...	*	+54°384	—21°236	1°50	44.6905	9.2	
...	39°248	+ 0°806	0°65	...	...	*	47°174	+58°623	1°50	42.6752	9.6	*	54°432	+42°497	1°50	43.6649	9.6	
...	39°347	+48°928	— 4	...	...	...	47°215	—42°414	— 4	...	...	...	...	55°214	—16°363	— 3	...	...
...	39°635	—21°413	— 3	...	...	...	47°274	+27°779	— 5	m	...	S *	56°265	+10°778	2°00	43.6650	8.3	
...	39°966	+22°806	— 4	m	...	...	47°295	— 4°554	1°15	43.6642	9.2	*	56°319	—47°641	1°10	44.6906	9.8	
801	+39°977	—24°445	— 4	m	...	861	+47°478	— 1°355	— 5	m	...	921	+56°663	+ 3°414	— 5	m	...	
...	40°096	—14°712	— 4	m	...	...	47°625	—58°177	— 5	...	...	...	...	56°766	—46°190	— 5	...	...
...	40°480	— 6°803	— 4	m	...	...	47°688	+58°852	— 2	...	...	...	...	56°898	+26°996	— 5	m	...
...	† 40°484	+35°237	— 2	...	...	*	47°713	—23°825	1°00	44.6896	9.8	...	...	56°899	+37°845	— 5	m	...
...	* 40°642	+52°931	1°05	43.6639	9.8	...	47°744	+31°654	— 4	...	...	...	...	56°942	+15°346	— 5	...	...
...	+40°805	—17°841	— 4	m	...	...	+47°821	—58°060	— 4	...	...	...	...	+57°021	—55°194	— 4	44.6907	10.4
...	40°824	—19°209	— 5	m	...	...	47°919	+12°991	— 5	m	...	...	...	57°026	+49°410	— 5	...	...
...	* 40°836	—55°567	1°10	44.6892	9.8	...	48°002	+33°245	— 5	m	...	...	...	57°075	+ 5°315	0°95	43.6651	10.2
...	* 40°950	—44°796	1°00	44.6893	10.0	...	48°027	—18°796	— 4	m	...	...	...	57°277	—21°855	— 3	...	...
...	41°053	+44°175	— 5	m	...	...	48°181	—19°360	— 4	m	...	...	...	57°525	—36°725	1°00	44.6908	10.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
931-940						941-945											
931	+57·548	-47·736	1·20	44·6909	9·8	941	+58·815	-5·881	0·5	°	m	...					
*	57·630	+29·323	2·00	43·6652	8·5	...	58·914	+7·550	0·3	...	...	...		
...	57·637	-26·782	-5	m	...	...	59·053	-47·658	-5	...	...	...		
†	57·805	-4·609	1·60	43·6653	8·9	...	59·310	+22·853	-4	...	...	...		
...	57·889	-54·644	-5	...	...	...	59·536	+10·793	0·75	43·6655	10·4	...					
...	+57·976	+30·038	-5	...	...										
...	58·184	-5·638	-4	...	...										
...	58·221	+6·474	-3	...	...										
...	58·281	+23·110	0·85	43·6654	10·4												
...	58·414	+46·767	-4	...	...										

1-40						41-80						81-120					
I	-59·761	+27·816	-5	...	...	41	-44·631	-42·851	0·65	44·6912	10·0	81	-31·940	+15·813	0·70	43·6667	10·2
...	59·620	+32·262	-4	...	...	*	44·395	-45·729	1·20	44·6914	9·6	*	31·554	-9·183	0·90	44·6926	9·8
...	59·482	-24·004	0·95	44·6896	9·8	*	44·375	-41·422	1·40	44·6915	9·1	...	31·197	-3·053	-2	...	...
...	59·191	+14·224	0·75	43·6645	10·4	...	44·175	-5·942	1·00	43·6659	9·8	...	31·131	-38·383	-4	...	...
...	58·498	+51·001	-4	...	...	...	43·769	+47·212	-2	43·6660	10·4	...	30·334	-2·578	-5	B	...
...	-57·615	-42·001	1·00	44·6897	9·6	...	-43·765	+59·051	-4	...	...	...	-30·295	+14·184	0·90	43·6668	9·9
S*	57·400	-46·995	1·15	44·6898	9·4	...	43·562	+56·912	-1	42·6766	10·0	...	29·874	-49·018	-1	44·6927	10·4
...	56·689	+53·426	1·10	42·6757	9·6	...	43·472	-20·334	-5	...	...	...	29·479	-10·374	0·65	44·6928	10·4
...	56·646	-9·637	-1	44·6901	10·4	...	43·263	-16·589	-4	...	...	...	29·435	-22·999	-1	...	...
*	55·954	+24·335	1·05	43·6646	9·6	...	42·867	+53·937	-5	...	...	...	29·328	+34·582	-5	...	...
11						51						91					
†	-54·956	-1·881	1·00	43·6647	9·3	*	-42·422	+36·212	1·00	43·6661	9·8	...	-28·966	-34·728	-4	...	...
†	54·804	+42·497	1·00	43·6649	9·6	...	42·374	+51·077	-5	...	...	...	28·922	-15·932	-5	...	...
...	54·601	+25·962	-4	...	...	...	42·372	-12·391	1·00	44·6917	9·8	...	28·880	+39·340	-1	43·6669	10·4
...	54·250	+6·369	0·95	43·6648	9·9	...	42·150	-45·636	1·05	44·6916	9·7	...	28·358	+11·569	0·90	43·6670	9·9
...	53·533	-10·751	-4	44·6903	10·4	*	41·959	+14·742	1·50	43·6662	8·5	...	28·237	-13·407	0·70	44·6930	10·0
...	-53·229	-38·735	1·00	44·6902	9·8	...	-41·478	-8·100	0·85	44·6918	10·0	...	-28·126	+53·323	-2	...	...
...	53·213	-16·807	1·00	44·6904	9·8	*	40·783	-28·733	1·00	44·6919	9·6	...	28·026	-56·387	-1	44·6929	10·4
...	52·898	-21·207	1·20	44·6905	9·2	...	40·695	+2·036	-5	...	...	...	27·630	-54·251	-2	44·6931	10·4
...	52·209	-16·325	-5	...	...	...	40·394	+13·168	0·85	43·6663	9·9	...	27·212	-49·254	-5	...	...
S*	51·973	+10·850	2·05	43·6650	8·3	...	40·293	-18·513	0·70	44·6920	10·2	...	27·034	+14·421	0·70	43·6671	10·2
21						61						101					
*	-51·167	+29·424	2·00	43·6652	8·5	...	-39·793	+9·008	-5	...	...	...	-26·274	-1·881	-2	43·6672	10·4
...	51·008	+5·393	0·75	43·6651	10·2	...	39·742	-21·485	-3	...	...	...	25·747	-6·635	-5	A	...
...	50·343	+23·225	-1	43·6654	10·4	...	39·465	+12·916	-2	...	...	...	24·933	+21·297	1·05	43·6673	9·6
...	50·152	-47·547	-1	44·6906	9·8	...	39·407	-51·843	-4	...	...	...	24·260	+17·937	-3	...	...
...	49·969	-4·504	1·30	43·6653	8·9	...	39·245	+37·602	-3	...	...	...	24·223	-48·954	-1	44·6932	10·2
...	-49·324	+23·008	-5	...	...	...	-38·967	-3·349	-1	...	...	...	-24·207	-3·159	0·75	43·6674	10·0
...	49·289	-36·598	-1	44·6908	10·0	...	38·667	-17·091	-3	...	...	...	24·139	-8·642	-5	...	...
...	49·236	-55·073	-4	44·6907	10·4	...	38·494	-48·963	-1	44·6921	10·2	...	23·909	+15·339	0·75	43·6675	9·9
...	48·935	-47·600	0·95	44·6909	9·8	*	37·748	+6·555	1·00	43·6664	9·8	*	23·591	+11·467	1·40	43·6676	9·1
...	48·732	+10·962	0·70	43·6655	10·4	...	37·611	-38·158	-1	...	...	...	23·350	+53·316	0·70	43·6677	10·0
31						71						111					
...	-48·242	+3·439	-1	...	...	...	-37·319	-55·953	0·65	44·6922	10·2	...	-22·869	-23·552	-5	...	...
...	48·082	+49·327	-1	43·6656	10·4	...	36·738	+30·037	-3	...	...	...	22·813	-35·857	-5	...	...
...	47·507	+17·544	0·70	43·6657	10·4	...	36·362	-35·861	-1	...	...	*	22·452	-17·049	1·60	44·6933	8·4
...	47·057	+47·411	-3	...	...	...	36·175	+12·089	-3	...	...	...	22·323	+3·952	-3	43·6678	10·2
...	46·493	+28·254	-5	...	...	*	35·481	-7·873	0·90	44·6924	9·8	...	22·166	+50·062	-4	...	...
...	-46·469	-36·472	-2	44·6910	10·4	...	-35·050	+4·800	-4	...	...	...	-21·106	+36·967	-1	43·6679	10·4
...	45·131	-53·765	-3	44·6911	10·2	†	35·042	-45·534	0·70	44·6923	10·4	...	20·781	-51·666	-5	...	...
*	45·093	-6·734	0·95	44·6913	9·8	...	34·334	-35·098	0·65	44·6925	10·4	...	20·765	+55·206	0·65	42·6777	10·2
...	45·084	+4·106	0·70	43·6658	10·0	...	34·306	-6·322	0·90	43·6665	10·0	...	20·501	-38·060	0·75	43·6680	10·0
†	44·940	+48·239	-4	...	...	...	33·903	+46·788	0·85	43·6666	10·0	...	20·350	+19·662	-4	...	...

L measured from 1, 121, 232.
 LB " " 61, 169, 305.

Notes.	Co-ordinates.		Diam.	C.P.D.			Notes.	Co-ordinates.		Diam.	C.P.D.			Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.	x.		y.	No.		Mag.	x.	y.		No.	Mag.		x.	y.	No.	Mag.
121-180						181-240						241-300								
12I	-19°374	-35°395	-5	...	...	...	18I	+3°596	-48°728	1°30	44.6953	9·2	24I	+23°635	+58°291	-5	...	...	...
...	19°109	+24°593	1°00	43.6681	9·7	...	...	4°188	+59°205	-4	...	...	...	23°766	-19°788	-5	...	...	...
*	18°706	+38°533	-4	...	...	...	...	4°263	-49°124	-4	...	...	...	24°070	-48°089	1°00	44.6972	9·8	...
...	18°622	-16°008	-5	...	...	...	*	4°336	-19°727	1°20	44.6954	9·2	...	24°244	+43°011	-5	...	...	...
...	18°476	+28°715	-5	...	...	...	...	4°838	+32°998	-3	...	...	...	24°289	-55°525	-1	44.6973	10·0	...
...	-18°290	-39°232	-5	...	...	...	†	+4°909	-10°151	0°65	44.6955	9·8	...	+24°320	+56°290	0°95	42.6809	10·0	...
...	16°685	+9°670	-5	...	...	...	‡	4°989	+17°171	1°00	43.6696	9·6	...	24°329	-58°230	-5	...	...	...
...	16°649	-44°414	-3	44.6936	10·4	...	...	5°470	-48°307	-3	...	...	...	24°414	+28°061	-3	...	...	...
*	16°585	-14°486	3°00	44.6937	8·0	...	...	6°319	-25°782	-5	...	...	...	24°680	-17°024	-4	...	...	...
...	16°548	+55°759	1°00	42.6781	9·9	...	...	6°675	-2°539	-2	43.6697	10·4	...	24°706	+48°025	0°95	43.6714	9·9	...
13I	-15°878	-55°169	-3	44.6938	10·2	...	19I	+7°727	-21°064	0°75	44.6956	9·9	25I	+24°958	-21°176	1°00	44.6974	9·4	...	
...	15°816	-20°899	0°95	44.6939	9·8	...	...	7°784	-3°762	0°85	43.6698	9·9	...	25°322	-22°315	0°65	44.6975	10·2	...
...	15°317	+13°062	0°95	43.6682	9·9	...	...	8°054	+2°605	-5	...	...	...	26°232	-50°327	-4	...	...	...
...	14°608	-31°669	0°90	44.6940	10·0	...	...	8°311	-55°130	-2	44.6957	10·4	S*	26°319	+6°424	1°35	43.6715	9·2	...
...	13°214	+9°345	0°70	43.6683	10·2	...	...	8°736	-1°970	1°50	43.6699	8·9	...	26°580	-8°686	1°00	44.6976	9·8	...
...	-13°197	-45°063	-5	...	...	...	...	+8°895	-58°394	-4	...	...	...	+26°594	-48°875	-5	...	...	...
S*	12°274	+4°044	1°80	43.6684	8·5	...	...	9°529	+29°949	0°75	43.6700	9·9	...	27°154	+29°597	-5	...	...	...
...	11°286	-43°213	0°70	44.6942	10·4	...	...	10°322	+10°331	-5	...	...	...	27°243	-37°407	-3	...	...	...
...	10°702	+40°783	-5	...	...	...	...	10°614	-58°896	-5	...	...	...	27°444	-53°750	1°05	44.6977	9·8	...
...	10°128	-46°962	-4	...	...	...	...	10°626	+1°813	1°15	43.6701	9·4	...	27°613	+14°540	-4	...	...	...
14I	-9°673	+6°446	-5	A	...	...	20I	+11°113	-52°279	-5	...	...	26I	+27°631	-3°621	-4	...	...	...
...	9°666	-43°369	-4	...	...	...	S*	11°296	+51°774	3°00	43.6702	7·6	...	27°659	+56°906	-5	...	...	...
...	9°033	-14°391	0°65	44.6943	10·2	...	...	11°670	+35°273	0°80	43.6703	9·9	*	28°193	+0°662	1°00	43.6716	9·7	...
*	8°664	+43°040	1°00	43.6685	9·4	...	...	12°066	+10°536	-4	...	...	...	28°271	+45°233	-4	...	...	...
*	8°649	+42°837	0°95	43.6686	9·8	...	...	12°245	-51°097	1°05	44.6958	9·6	...	29°123	-7°821	-4	...	...	...
*	-8°524	-48°289	1°00	44.6944	9·7	...	f	+12°367	+0°401	0°65	43.6704	10·0	...	+29°650	+44°064	0°95	43.6717	10·0	...	
...	8°268	+39°620	0°95	43.6687	10·0	...	...	12°604	-54°040	-5	...	...	†	29°814	+0°469	-5	...	...	...
...	8°063	+56°351	-5	...	...	...	†	12°619	-55°002	0°90	44.6959	9·8	†	29°842	-32°614	-4	...	...	...
...	7°904	+25°410	-4	...	...	...	*	12°733	+28°302	1°00	43.6705	9·7	...	30°387	+45°458	-5	...	...	...
...	7°728	+35°481	-5	...	...	...	...	13°102	-20°824	-1	44.6960	10·2	...	31°037	-0°032	0°75	43.6718	10·2	...
15I	-7°557	-50°126	1°00	44.6945	9·8	...	21I	+13°235	-8°197	0°85	44.6961	9·8	...	31°361	+22°550	0°70	43.6719	10·4	...	
...	6°675	-18°276	0°75	44.6946	9·9	...	...	13°398	-6°126	0°95	43.6706	9·8	...	31°620	+29°974	-3	...	...	...
...	6°501	+25°432	-4	...	...	...	...	13°754	-8°513	-2	44.6962	10·0	...	32°138	-12°544	0°70	44.6979	10·4	...
S*	6°341	-26°670	3°50	44.6947	7·4	...	...	13°879	-56°001	-3	44.6963	10·4	*	32°449	-3°702	1°00	43.6720	9·7	...
...	5°735	+41°444	-5	...	...	...	...	14°276	-36°471	0°80	44.6964	9·9	S*	32°645	-7°060	1°60	44.6980	8·9	...
...	-5°152	+36°989	-3	...	...	...	...	+14°418	-48°463	0°65	44.6965	10·4	*	+32°722	+7°319	1°05	43.6721	9·4	...
*	4°716	+7°219	1°30	43.6688	9·1	...	...	15°325	+33°920	-1	43.6707	10·2	*	33°346	-27°367	1°15	44.6981	9·4	...
...	4°041	+0°703	0°90	43.6689	9·9	...	...	15°607	+49°419	0°85	43.6708	9·9	...	33°347	-15°380	-3	...	...	...
...	3°345	+4°993	-5	...	...	...	...	15°648	+34°234	-4	...	...	S*	33°446	+41°533	2°00	43.6722	8·5	...
...	3°058	-23°123	0°65	...	...	...	...	16°217	-2°509	-4	...	...	...	33°588	-17°663	-5	...	...	...
16I	-2°821	-42°164	-4	...	...	...	22I	+16°568	+11°870	-3	...	...	28I	+33°948	-33°230	0°70	44.6982	10·0	...
...	2°792	+53°952	-1	42.6794	10·2	...	...	16°639	-45°305	-4	...	...	...	34°020	-53°858	-5	44.6983	10·4	...
...	1°395	-8°296	-5	...	...	...	...	17°660	+36°250	0°70	43.6709	10·2	†	34°836	-7°342	-3	44.6984	10·4	...
...	1°380	+28°906	-4	43.6690	10·4	...	...	17°912	-26°320	-3	...	...	...	35°436	-44°329	1°00	44.6985	9·7	...
...	1°354	-55°844	-4	...	...	...	...	18°036	+38°588	-3	43.6710	10·2	*	35°486	-2°072	1°20	43.6723	9·2	...
*	1°277	+47°754	1°00	43.6691	10·2	...	...	+18°148	+38°570	-5	...	...	...	+36°578	-44°503	-1	44.6986	9·9	...
...	1°004	+54°256	-4	...	...	...	...	18°227	+39°427	-3	...	...	...	36°593	+28°867	-2	43.6724	10·4	...
...	-0°125	+50°282	-5	...	...	...	...	18°694	+9°520	0°70	43.6712	10·0	...	36°595	+58°821	1°00	42.6814	10·0	...
†	+0°141	+14°850	0°70	43.6692	9·9	...	...	18°717	+38°733	0°65	43.6711	10·2	...	36°969	-17°942	-4	...	...	...
*	0°616	-42°085	1°15	44.6948	9·2	...	*	19°663	-50°204	1°00	44.6966	9·7	...	37°379	-21°449	0°90	44.6987	9·9	...	
17I	+0°764	+12°692	0°70	43.6693	9·9	...	23I	+19°722	+18°402	-4	...	...	29I	+37°431	+40°501	-4	43.6725	10·4	...
...	0°786	-46°789	0°75	44.6949	9·8	...	...	19°901	-6°850	1°00	44.6967	9·4	...	37°431	-3°745	-2	43.6726	10·2	...
...	0°842	+3°090	-4	...	...	...	...	20°241	+23°967	0°90	43.6713	9·9	...	37°593	+56°624	0°65	...	...	...
*	1°619	-58°183	1°00	44.6950	9·7	...	...	20°587	-23°785	1°00	44.6968	9·7	...	38°135	-0°988	-3	...	...	...
...	1°701	+59°012	-1	...	...	...	...	21°871	-26°429	1°00	44.6969	9·8	...	38°215	+32°696	0°90	43.6727	10·2	...
...	+2°257	-21°836	0°80	44.6951	9·8	...	...	+21°959	+2°664	-5	...	...	*	+38°216	-41°180	1°00	44.6988	9·4	...
...	2°336	-9°989	-3	44.6952	10·2	...	...	22°415	-37°803	1°00	44.6970	9·7	*	38°522	+39°935	1°00	43.6728	9·8	...
...	2°681	-4°788	0°65	43.6694	10·2	...	...	22°481	-53°550	-5	...	...	...	38°553	+8°342	-5	...	...	...
...	2°991	+16°525	0°70	43.6695	10·0	...	...	22°934	-31°168	0°95	44.6971	9·8	*	39°259	+31°070	1°00	43.6729	9·8	...
...	3°388	-40°065	-4	...	...	...	...	23°099	+28°973	-5	...	...	...	39°265	+25°223	1°00	43.6730	9·8	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-330						331-360						361-362					
30I	+39'405	-41'829	1.20	44.6989	9.2	33I	+47'329	+22'763	-5	...	...	36I	+59'669	-53'363	1.50	44.7014	9.7
...	39'543	-6'050	0.70	43.6732	10.4	...	48'241	-53'157	-1	44.7003	10.2	†	59'705	-38'559	-2	...	...
...	39'596	-17'516	-3	44.6990	10.4	...	48'442	-39'413	-2	...	...				
...	39'716	+2'535	0.90	43.6731	10.0	*	48'449	-0'410	1.90	43.6742	8.6						
†	39'909	+15'275	1.60	43.6733	8.9	...	49'253	+31'627	-2	...	...				
...	+40'065	+32'885	-2	43.6734	10.4	...	+49'256	-59'410	-1	44.7004	10.0						
...	40'281	-58'367	0.65	44.6992	10.2	...	49'702	-44'699	-2	...	...				
...	40'343	-37'114	-2	44.6991	10.4	†	49'791	-31'462	-5	...	...				
...	40'627	+35'659	0.75	43.6735	10.0	...	49'944	-33'863	-5	...	...				
*	40'894	+8'888	1.30	43.6736	9.2	...	50'123	-1'102	-4	...	...				
31I	+41'158	+28'037	-5	...	...	34I	+50'386	-7'045	1.00	44.7005	9.7						
...	41'174	-51'953	-5	44.6994	10.4	...	50'695	+49'123	-1	43.6743	10.2						
*	41'347	-11'599	1.50	44.6993	9.0	...	51'331	-11'983	0.65	44.7006	10.4						
...	41'639	+0'823	-4	...	...	...	51'626	+0'271	-1	...	...				
*	41'962	+35'079	1.70	43.6737	9.0	...	52'122	-38'551	1.00	44.7007	9.8						
†	+42'145	-59'895	-2	44.6995	10.4	...	+53'226	+24'896	-4	...	...				
S*	42'356	-43'702	1.70	44.6996	9.1	*	53'297	-33'009	1.00	44.7009	9.8						
...	42'813	+30'489	0.65	43.6738	9.9	...	53'497	-6'466	0.75	43.6745	10.2						
...	43'306	+13'262	0.80	43.6739	9.8	...	53'688	+38'011	0.80	43.6744	10.0						
...	43'309	-38'285	0.65	44.6997	10.2	*	54'148	-29'629	1.00	44.7010	9.8						
32I	+44'335	-17'501	-2	44.6998	10.4	35I	+54'167	+12'927	0.90	43.6746	10.0						
...	44'476	+16'183	-4	...	...	...	54'567	+10'149	-5	...	...				
...	45'191	+25'768	0.70	43.6740	10.2	...	54'675	-39'536	-1	44.7012	10.0						
...	45'459	+34'170	-4	...	...	*	55'827	+57'981	1.50	42.6819	9.3						
...	45'530	-24'834	-2	...	...	†	55'898	+49'894	5.00	43.6747	4.8						
...	+45'610	-44'735	0.70	44.6999	9.8	*	+56'095	+14'639	1.00	43.6748	9.7						
*	46'115	+0'869	1.20	43.6741	9.2	...	56'400	-16'688	-3	...	...				
...	46'387	-45'686	0.80	44.7000	9.8	...	56'551	+0'910	-5	...	...				
...	46'637	-56'557	0.70	44.7001	9.8	...	56'834	+14'373	0.65	43.6749	10.0						
...	46'790	-49'764	-1	44.7002	10.2	...	56'950	+12'748	0.90	43.6750	9.8						

1-20						21-40						41-60					
I	x.	y.	Diam.	C.P.D. No.	Mag.	2I	x.	y.	Diam.	C.P.D. No.	Mag.	4I	x.	y.	Diam.	C.P.D. No.	Mag.
†	-59'467	-0'590	2.30	43.6742	8.6	*	-53'847	+58'005	2.00	42.6819	9.3	...	-47'026	+15'107	-3	...	...
...	59'142	+26'705	-5	...	...	†	53'667	+10'158	-5	...	...	...	46'931	+50'316	0.80	43.6753	10.2
...	58'719	+48'989	-4	43.6743	10.2	*	53'646	-33'020	1.20	44.7009	9.8	*	46'653	-53'176	1.30	44.7014	9.7
...	58'422	+39'461	-5	...	...	†	53'526	+49'921	8.00	43.6747	4.8	S*	46'478	-31'108	3.45	44.7015	7.6
...	58'279	-39'580	-5	...	...	...	53'225	-32'378	-5	...	...	*	46'392	+7'470	1.30	43.6752	9.7
...	-58'075	-53'321	-4	44.7003	10.2	†	-52'887	-29'619	1.10	44.7010	9.8	...	-46'335	+16'656	-5	...	...
...	57'750	-1'225	-5	...	...	*	52'268	+14'686	1.15	43.6748	9.7	*	46'290	+36'913	1.35	43.6754	9.4
...	57'320	-7'165	1.20	44.7005	9.7	...	52'058	-1'958	-5	...	...	*	46'217	+35'635	2.20	43.6755	9.0
...	57'159	-31'590	-5	...	...	...	52'045	-39'512	0.65	44.7012	10.0	...	45'974	-30'099	-2	44.7016	10.2
...	56'938	-33'966	-5	...	...	...	51'525	+14'447	0.85	43.6749	10.0	...	45'874	-5'166	-5	...	...
3I	-56'862	-44'810	-5	...	...	3I	-51'398	+0'974	-5	...	...	5I	-45'821	-18'840	-5	...	...
...	56'855	-59'518	-2	44.7004	10.0	*	51'365	+12'827	1.10	43.6750	9.8	...	45'564	+7'278	-5	...	...
†	56'292	+0'186	-3	...	...	...	51'017	-16'619	-2	...	...	N	45'414	+36'222	0.85	43.6756	10.0
...	56'216	-12'089	-2	44.7006	10.4	*	49'773	+56'090	1.60	42.6821	9.5	*	44'193	-2'832	1.15	43.6757	9.9
...	55'900	+27'462	-5	...	...	...	48'893	+50'902	-5	...	...	...	43'920	-26'650	0.65	44.7017	10.4
...	-55'451	+24'851	-5	...	...	...	-48'601	+32'414	-5	...	...	...	-43'845	-34'967	-4	...	...
...	55'384	+37'977	0.95	43.6744	10.0	...	48'422	+24'782	-5	...	...	...	43'595	+27'960	0.90	43.6758	10.2
†	54'640	-38'591	1.10	44.7007	9.8	...	48'287	+57'969	-4	...	...	...	43'498	+36'350	-5	...	...
...	54'235	-6'488	0.85	43.6745	10.2	...	47'452	+12'275	0.90	43.6751	9.9	...	43'046	+18'825	-5	...	...
...	54'156	+12'910	0.95	43.6746	10.0	...	47'051	-38'381	-4	...	...	...	42'400	+22'327	-3	...	...

S measured from 1, 109, 242.
SB " " 54, 172, 351.

Images generally very diffused.
53. Mass. 43° 89, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
6I	-42.361	+51.094	-5	...	...	12I	-27.081	+51.690	-5	...	...	18I	-12.176	-19.636	-5	...	...
...	42.228	-5.122	-4	...	...	...	26.624	-1.693	-2	...	...	...	12.094	-29.555	-5	...	...
...	41.632	+44.921	-4	...	...	...	26.301	-57.606	0.75	44.7032	10.2	...	11.964	-1.909	-5	...	...
...	40.936	+25.618	-5	...	...	...	26.177	-19.421	0.75	44.7033	10.4	...	11.741	+3.708	-5	...	...
...	40.764	+33.132	1.00	43.6760	10.0	*	25.663	+11.156	1.20	43.6775	9.7	...	11.200	+13.562	1.05	43.6787	9.8
...	-40.687	+19.658	-3	43.6759	10.4	...	-25.393	-19.932	-5	...	...	...	-11.061	-55.284	-4	...	...
*	40.544	-15.820	1.30	44.7018	9.6	...	25.331	-3.166	-2	...	...	...	11.015	+29.290	-4	...	...
...	39.981	+37.672	0.65	43.6761	10.4	...	25.265	+37.006	-4	...	...	*	11.005	+0.856	2.20	43.6786	9.0
...	39.955	-48.304	-3	44.7019	10.4	...	24.959	-45.883	-5	...	...	*	10.974	+18.797	1.20	43.6788	9.9
...	38.964	-36.084	-4	44.7020	10.4	...	24.906	+41.286	-5	A	...	...	10.811	-55.505	-4	...	...
7I	-38.690	-18.676	-3	...	...	13I	-24.748	-10.437	0.65	44.7035	10.2	19I	-10.693	-23.941	1.00	44.7044	9.8
...	38.470	+10.629	-5	...	...	...	24.658	+28.914	-3	...	...	...	10.516	-8.789	-5	...	...
...	38.417	-4.112	-4	...	...	...	24.592	+9.429	-5	...	...	...	10.355	+1.218	-5	...	...
...	38.387	+58.547	-5	...	...	...	24.573	+16.539	-5	A	...	...	9.708	+1.515	-4	43.6789	10.2
...	38.330	-9.740	1.40	44.7021	9.2	...	23.881	-40.208	-4	...	...	...	9.445	+42.359	-5	...	...
S*	-37.797	+40.768	2.85	43.6762	8.1	*	-23.839	-52.047	1.25	44.7036	9.7	...	-9.367	-41.012	0.65	44.7045	10.4
...	37.747	+21.332	-4	...	...	*	23.710	-30.213	1.55	44.7037	9.2	*	9.231	-16.917	1.25	44.7046	9.7
...	37.508	+58.149	-4	...	...	...	23.621	+19.325	-4	...	...	...	9.088	+49.006	-3	...	...
...	37.493	+15.091	-5	A	...	*	23.570	+38.456	1.15	43.6776	9.9	*	8.721	-17.439	2.20	44.7047	8.7
...	37.340	+11.728	-4	...	...	...	23.391	-7.045	0.65	44.7039	10.4	...	8.508	-33.975	-4	...	...
8I	-37.069	-25.399	1.50	44.7022	9.4	14I	-23.193	-55.489	1.45	44.7038	9.6	20I	-7.956	-31.534	0.90	44.7048	9.9
*	36.898	+24.868	0.70	43.6764	10.2	...	22.948	+49.440	-5	...	...	...	7.561	+36.694	-5	...	...
...	36.818	-3.371	0.85	43.6763	10.4	...	22.660	-21.149	-5	...	...	...	7.270	-6.724	-5	44.7050	10.4
...	36.662	+24.166	-4	...	...	...	22.418	+20.841	-5	...	...	...	7.229	-56.800	-1	44.7049	10.4
...	36.106	-52.287	-5	...	...	...	21.935	-51.300	-4	...	...	...	7.170	+11.217	-1	43.6790	10.4
*	-36.090	+39.769	1.50	43.6765	9.2	...	-21.583	-46.055	-5	...	...	...	-6.535	-47.443	1.05	44.7051	9.8
...	35.672	+24.094	-5	...	...	...	21.506	+38.409	-5	...	...	...	6.439	+20.175	2.10	43.6791	8.9
*	35.532	+42.167	1.90	43.6766	9.2	...	21.354	-42.777	-5	...	...	...	6.288	-44.397	-4	...	...
...	35.410	+12.080	-5	...	...	...	21.119	+38.322	-3	...	...	...	5.962	-31.724	-5	...	...
...	35.388	+2.820	-4	...	...	...	21.059	+36.410	1.10	43.6777	9.9	...	5.868	+57.374	1.00	...	...
9I	-35.331	-27.642	-5	...	...	15I	-20.644	+10.559	1.30	43.6778	9.6	21I	-5.798	+21.003	1.70	43.6792	9.1
*	35.220	+47.871	1.80	43.6767	9.3	*	20.461	+30.111	-5	...	...	*	5.324	+1.778	1.10	43.6793	9.8
...	35.200	-49.436	0.70	44.7023	10.4	...	20.400	-10.999	1.00	44.7040	10.0	...	5.132	-47.120	1.00	44.7052	10.0
...	34.621	+46.927	-5	...	...	...	20.317	+26.952	0.70	43.6779	10.2	*	5.039	-20.778	1.20	44.7053	9.8
*	34.326	+29.915	2.10	43.6768	8.9	...	20.163	+17.961	-5	...	...	...	5.021	+57.383	-2	...	...
...	-34.046	-19.897	-1	44.7025	10.4	...	19.596	-42.747	-5	...	...	...	-4.690	-42.667	1.90	44.7054	9.2
...	33.847	+22.191	0.90	43.6769	10.0	...	19.070	+38.634	-1	43.6780	10.4	...	4.561	-52.870	0.65	44.7055	10.2
...	33.159	-6.469	-5	...	...	...	18.764	-23.969	0.70	44.7041	10.4	...	3.838	-13.331	-1	44.7056	10.4
...	33.126	-17.632	-5	...	...	...	18.700	+3.424	0.95	43.6781	10.2	S*	3.767	+18.810	3.10	43.6794	8.2
...	32.770	-4.056	0.75	43.6770	10.2	*	18.250	+26.163	1.05	43.6782	9.8	...	3.611	+36.087	-5	...	...
10I	-32.636	-35.761	0.85	44.7027	10.2	16I	-16.981	-50.260	-5	...	...	22I	-3.583	-47.881	-2	...	...
...	32.265	-40.652	-5	...	...	...	16.903	+23.183	-5	...	...	...	3.553	-31.056	0.95	44.7057	10.2
*	31.929	-48.173	1.30	44.7028	9.4	...	16.884	-2.225	-4	...	...	...	3.025	-2.703	-4	...	...
...	31.641	-55.392	-5	...	...	...	16.781	-5.452	-5	...	...	...	2.945	-46.712	1.10	44.7058	9.8
...	30.642	+19.510	-5	...	...	*	16.741	+54.783	1.60	42.6837	9.4	*	2.885	-45.023	2.50	44.7059	8.8
...	-30.402	-24.898	-5	...	...	...	-16.393	-16.042	-5	...	...	...	-2.870	-29.788	2.90	44.7060	8.3
...	29.980	-58.981	-5	...	...	*	16.179	+54.254	1.10	42.6839	10.0	...	2.792	+53.084	-4	...	...
...	29.957	+59.603	1.40	42.6829	9.6	*	16.037	+28.890	1.25	43.6783	9.7	S*	2.298	-17.924	5.00	44.7061	7.6
...	29.413	+41.230	0.85	43.6771	10.0	*	15.868	-51.182	1.10	44.7042	9.8	...	2.267	-13.612	-3	...	...
S*	29.399	-54.216	2.20	44.7029	8.9	...	15.448	+59.582	0.90	42.6840	10.0	...	1.963	+5.970	-5	A m	...
11I	-29.035	+56.883	-5	...	...	17I	-15.151	+58.856	-5	...	...	23I	-1.891	-25.752	-5	...	...
...	28.917	-7.917	-5	...	...	...	14.600	-47.851	-4	...	...	...	1.772	-6.154	-5	...	...
...	28.874	-15.098	-5	...	...	...	14.298	+44.668	0.90	43.6784	10.2	...	1.662	+47.929	-5	...	...
*	28.532	-31.350	2.70	44.7030	8.4	...	13.876	+44.152	-4	...	...	...	1.171	+26.721	-5	...	...
*	28.389	+25.584	1.35	43.6772	9.7	...	13.766	+47.966	-5	...	...	*	1.149	+32.038	1.30	43.6795	9.4
...	-28.375	+30.645	-5	...	...	...	-13.690	+42.419	-5	...	...	*	-0.916	+7.655	1.10	43.6796	9.8
...	28.216	-31.815	-1	44.7031	10.2	*	13.349	-40.996	1.70	44.7043	9.2	...	0.806	-39.462	-5	...	...
...	28.130	+40.390	0.85	43.6773	10.2	...	13.254	-47.325	-5	...	...	Ff	0.770	+0.112	1.00	43.6797	9.8
...	27.738	+48.607	2.40	43.6774	8.7	...	12.950	+10.816	-4	...	...	*	-0.082	-43.009	1.30	44.7062	9.6
...	27.725	+7.068	-5	...	...	S*	12.578	+4.361	3.00	43.6785	8.0	*	+0.038	-45.052	1.20	44.7063	9.7

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
241-300						301-360						361-420					
241	+ 0.051	- 7.859	- 5	...	...	301	+18.956	-48.371	- 1	44.7078	10.4	361	+32.088	+18.632	1.05	43.6820	9.9
S*	0.486	+56.960	2.40	42.6847	8.4	...	19.839	+ 4.918	- 5	...	...	...	32.318	+ 4.740	0.90	43.6821	10.2
*	1.603	+18.223	1.15	43.6798	9.8	†	20.379	-34.601	- 2	44.7079	10.4	...	32.500	- 5.269	- 5	...	...
...	1.795	+12.503	- 4	...	...	...	20.855	-22.275	0.95	44.7080	10.2	...	32.649	-34.740	1.10	44.7096	9.8
...	2.162	-14.629	3.00	44.7064	8.4	...	21.014	+38.909	- 5	...	...	...	34.023	+45.576	- 4	...	...
...	+ 2.531	+50.761	0.80	43.6799	10.2	*	+21.225	-12.962	1.00	44.7081	10.2	...	+34.259	-37.497	0.95	44.7097	10.2
...	3.056	-27.011	- 1	...	...	...	21.456	-28.773	1.05	44.7083	9.8	S ‡	34.661	+35.358	4.45	43.6822	7.5
...	3.080	+29.287	- 1	...	...	...	21.530	+11.380	- 5	...	...	...	34.704	-11.904	- 4	...	...
...	3.189	-10.717	- 5	...	...	...	21.534	+13.958	- 5	...	...	...	35.447	-12.672	- 5	...	...
*	3.425	-54.900	1.50	44.7065	9.3	...	21.641	-23.057	- 5	...	...	...	35.474	-25.256	- 5	...	...
251	+ 3.465	+26.660	- 5	...	...	311	+21.650	-59.318	- 5	...	...	371	+35.489	-44.714	- 5	...	...
...	3.581	+20.956	0.95	43.6800	10.0	*	21.719	-23.621	1.40	44.7084	9.3	...	35.525	+15.636	- 3	...	...
...	3.729	+58.940	- 5	...	...	...	21.875	+35.062	- 2	...	...	...	35.720	-32.781	- 4	44.7098	10.4
...	3.799	+23.081	- 4	...	...	...	22.092	+36.088	- 5	...	...	...	35.722	-26.853	- 4	...	...
...	4.907	+33.267	- 5	M	...	...	22.093	- 2.409	- 5	...	...	...	35.840	-11.321	- 5	...	...
*	+ 5.007	- 3.084	1.50	43.6801	9.3	...	+22.182	-20.723	1.05	44.7085	9.8	*	+36.336	- 2.691	1.15	43.6823	9.9
...	5.347	-46.294	0.75	...	...	*	22.515	+27.941	1.45	43.6812	9.6	...	36.575	+18.656	- 5	...	...
...	5.369	+57.320	- 4	...	...	*	22.817	-17.777	1.30	44.7086	9.6	...	36.615	+11.316	- 3	...	...
...	5.974	+47.788	- 2	43.6802	10.0	...	23.546	+41.612	- 4	...	...	...	36.876	-28.021	- 4	...	...
...	6.036	-10.802	0.90	44.7066	10.2	...	23.777	+ 0.483	- 4	...	...	...	37.011	+53.765	- 5	...	...
261	+ 6.076	-37.467	- 5	...	...	321	+24.057	+46.870	- 4	...	...	381	+37.124	+ 6.409	0.65	43.6824	10.4
...	6.293	-51.878	- 5	...	...	...	24.429	-54.721	0.80	44.7087	10.4	...	37.445	+14.324	1.00	43.6825	10.2
*	6.601	+48.381	1.60	43.6803	9.4	...	24.626	-46.489	- 5	...	...	...	37.916	+47.856	- 5	...	...
...	6.753	+34.436	- 5	...	...	*	25.316	+32.814	1.60	43.6813	9.4	...	38.205	+20.848	- 4	...	...
...	6.788	+41.902	- 5	...	...	N	25.549	-55.963	0.85	44.7088	10.4	...	38.326	+ 4.014	- 5	...	...
...	+ 7.504	-57.084	- 3	...	...	†	+25.682	- 4.682	- 5	...	...	*	+38.648	- 1.382	1.25	43.6826	9.8
...	8.400	+ 1.633	0.90	43.6804	10.2	...	25.692	+43.835	1.05	43.6814	9.9	...	38.687	- 7.489	- 2	...	...
N	8.500	+48.953	- 5	...	...	...	25.965	-47.323	- 4	...	...	...	38.977	- 3.415	- 5	...	...
*	9.311	-41.765	1.40	44.7068	9.7	...	25.974	+25.622	0.65	43.6815	10.4	*	39.208	-18.484	1.10	44.7099	9.8
...	9.318	-16.680	- 5	...	...	...	26.437	-52.902	- 3	...	...	...	39.244	- 3.597	- 5	...	...
271	+ 9.723	+27.846	- 5	a	...	331	+26.460	-26.498	1.20	44.7089	9.8	391	+39.272	-33.058	- 5	...	...
...	9.994	-12.912	- 5	...	...	*	26.550	-39.591	- 2	...	...	*	39.543	-23.943	1.20	44.7100	9.8
†	10.135	+17.871	1.00	43.6805	10.0	...	26.623	+51.929	0.90	43.6816	10.0	...	39.744	-23.404	- 4	...	...
...	10.664	+ 9.743	- 5	a	...	...	26.651	+34.094	- 5	...	...	...	40.201	+26.403	- 5	...	...
...	11.058	+34.040	- 1	...	...	...	26.749	-30.167	- 5	...	...	...	40.648	+39.263	1.05	43.6827	9.9
...	+11.375	+ 8.862	0.75	43.6806	10.4	*	+26.782	+42.946	1.20	43.6817	9.8	...	+40.737	+16.333	- 3	...	...
...	12.485	-50.948	1.00	44.7070	10.2	...	26.971	-48.679	- 5	...	...	...	40.745	-43.283	- 4	...	...
*	12.558	-52.285	1.20	44.7071	9.8	...	27.357	-19.116	- 5	...	...	...	41.030	-27.232	- 3	...	...
...	12.599	+58.675	- 4	...	...	...	27.667	+19.304	- 5	...	...	...	41.886	+27.235	0.95	43.6828	10.2
...	12.806	+19.604	1.05	43.6807	10.0	...	27.832	-26.562	- 5	...	...	...	42.096	+39.232	- 5	...	...
281	+12.945	- 2.774	2.40	43.6808	9.0	341	+27.854	+48.470	- 5	...	...	401	+42.290	-16.900	1.10	44.7101	9.8
...	13.532	+31.561	- 5	...	...	...	28.022	+39.184	- 1	...	...	...	42.662	+17.216	1.10	43.6830	9.8
...	13.591	+17.590	- 5	b	...	...	28.553	+20.894	- 3	...	...	...	42.840	+35.581	1.00	43.6829	10.4
...	13.691	+ 9.114	0.90	43.6809	10.2	...	28.710	-14.257	- 3	...	...	*	42.870	-20.630	1.15	44.7102	9.8
...	14.044	-45.019	- 5	...	...	...	28.810	+12.831	- 5	...	...	...	42.949	- 6.067	0.65	...	...
...	+14.651	-48.199	0.90	44.7072	10.4	...	+29.049	-53.980	- 5	...	...	...	+43.378	+20.812	- 4	...	...
...	14.764	-59.297	- 5	...	...	...	29.241	+18.550	- 4	...	...	...	43.527	+ 2.186	1.05	43.6831	9.9
...	14.866	- 1.190	- 5	...	...	...	29.873	-47.412	- 5	...	...	*	43.533	-48.062	2.10	44.7103	9.0
...	15.624	+20.556	0.70	...	...	...	30.065	+48.318	- 2	43.6818	10.4	...	43.550	- 0.358	- 5	...	...
...	16.533	-13.675	- 5	...	...	...	30.125	-51.442	- 4	...	...	*	43.610	-33.349	1.35	44.7104	9.3
291	+16.868	-50.495	- 5	...	...	351	+30.145	+55.622	3.80	42.6861	7.4	411	+44.264	-45.605	- 5	...	...
...	16.972	-48.526	- 5	...	...	†	30.305	-49.477	0.80	44.7092	10.0	...	44.462	+47.455	- 5	...	...
...	17.091	-21.844	1.00	44.7073	10.0	...	30.474	- 6.482	1.00	44.7091	9.9	...	44.666	-24.254	1.00	44.7105	10.0
...	17.630	-32.490	1.00	44.7074	10.2	*	30.852	-50.145	1.20	44.7093	9.7	...	45.388	-37.989	- 5	...	...
S*	18.262	-42.782	2.90	44.7075	8.2	*	31.163	-29.751	1.50	44.7094	9.2	...	45.523	-43.431	- 5	...	...
*	+18.555	-44.699	1.15	44.7077	9.7	...	+31.496	-55.648	- 5	...	...	...	+45.537	-51.368	- 5	...	...
...	18.557	- 5.220	0.75	43.6810	10.4	...	31.534	-33.290	0.70	44.7095	10.2	...	46.482	-29.165	0.65	44.7106	10.4
*	18.615	+10.648	1.40	43.6811	9.7	...	31.725	-23.974	- 5	...	...	*	46.676	-26.286	1.05	44.7107	10.0
*	18.644	-14.770	1.10	44.7076	9.8	...	31.778	+21.702	- 3	...	...	...	46.828	-52.270	- 4	...	...
...	18.838	+31.909	- 5	...	...	...	31.810	+42.261	0.75	43.6819	10.2	...	47.002	- 8.289	- 5	...	...

268. Mass. 43°·90, two stars.

325. Mass. 45°·90, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-440						441-460						461-466					
42I	...	...	...	...	...	44I	...	...	...	...	...	46I	...	...	...	...	...
...	+47°024	+4°877	-4	...	...	...	+50°973	+5°688	-5	...	...	...	+56°972	-22°718	-1	...	...
...	47°219	+3°204	0.70	...	...	...	51°165	-52°209	1.00	44.7111	10.2	S *	57°361	-30°203	1.30	44.7114	10.4
*	47°448	-8°864	1.20	44.7108	9.8	...	51°722	-45°152	-5	...	...	...	57°699	+2°030	-4	...	...
...	47°663	-19°171	-5	...	...	...	52°643	+14°795	-5	...	...	...	58°045	+45°086	1.05	43.6842	9.9
...	48°320	-18°221	-4	...	...	...	52°792	-47°489	-5	...	...	...	59°142	-3°922	-1	...	...
...	+48°492	+2°403	1.10	43.6832	9.9	...	+52°801	+1°894	0.95	43.6837	10.4	...	+59°729	+18°670	-3	...	...
...	48°499	+44°327	-3	...	...	...	54°601	-17°085	-5	...	...	...	...	...	...	...	...
...	48°601	+36°114	-5	...	...	...	55°035	-5°455	1.05	43.6838	9.8	...	...	...	...	...	...
...	48°618	+38°897	-4	...	...	...	55°056	-22°397	-4	44.7112	10.4	...	...	...	...	...	...
N [	48°740	+23°627	1.10	43.6833	9.8	...	55°301	-53°362	-3	44.7113	10.4	...	...	...	...	...	...
43I	...	...	...	...	...	45I	...	...	...	...	...	...	...	...	...	...	...
...	+48°916	-58°456	1.00	44.7109	10.0	...	+55°623	-49°297	-5	...	...	...	...	...	...	...	...
*	49°246	+48°972	2.20	43.6834	9.1	...	55°713	+10°921	-5	...	...	...	...	...	...	...	...
...	49°325	-34°385	0.95	44.7110	10.0	...	55°862	-23°046	-5	...	...	...	...	...	...	...	...
†	50°093	-35°373	-5	...	...	...	56°122	+31°261	0.65	...	...	...	...	...	...	...	...
...	50°178	+24°877	-5	...	...	*	56°321	+27°804	2.00	43.6839	9.2	...	...	...	...	...	...
...	+50°199	+59°069	0.80	...	...	...	+56°346	+8°813	-5	...	...	...	...	...	...	...	...
...	50°605	+5°712	0.95	43.6836	10.2	...	56°572	+40°465	1.00	43.6840	10.2	...	...	...	...	...	...
...	50°624	+36°768	1.05	43.6835	10.0	...	56°658	-40°840	-4	...	...	...	...	...	...	...	...
...	50°812	+47°928	-4	...	...	...	56°826	+45°598	0.95	43.6841	10.0	...	...	...	...	...	...
...	50°902	+43°924	-5	...	...	...	56°916	-55°738	-3	44.7115	10.4	...	...	...	...	...	...

430. Mass. 43°·90, 44°·91, two stars.

1-30						31-60						61-90						
I	...	...	...	...	...	3I	...	...	...	...	...	6I	...	...	...	...	...
†	-60°161	+46°797	1.50	43.6834	9.1	...	-54°957	-43°354	-5	...	...	...	-49°689	-7°181	-5	...	...
N [	59°908	+23°510	-1	...	...	...	54°828	+3°314	-5	M	...	...	S *	49°640	-30°087	1.15	44.7116	9.6
...	59°893	+23°438	1.00	43.6833	9.8	...	54°809	-45°186	-2	...	...	...	...	49°309	-55°629	0.90	44.7115	10.4
...	59°792	+54°970	-5	...	...	...	54°336	-42°667	-3	...	...	...	...	49°185	-56°011	-5	...	...
...	59°690	-19°349	-2	...	...	...	53°678	-47°493	-3	...	...	...	...	49°157	+40°849	0.75	...	...
...	-59°530	+58°930	0.80	...	...	...	-53°620	-53°592	-5	...	...	...	...	-49°084	-16°450	-5	...	...
*	59°484	+2°231	1.05	43.6832	9.9	...	53°615	-11°922	-5	...	...	...	...	49°082	-16°222	-3	...	...
...	59°372	+12°081	-5	M	...	...	53°577	-4°485	-4	...	...	...	*	48°778	+18°845	0.85	...	...
...	59°176	+11°878	-5	M	...	...	52°815	-17°044	0.80	...	...	...	...	48°675	-3°762	0.85	...	...
...	59°038	-18°366	0.75	...	...	...	52°804	+33°398	-5	...	...	...	...	48°658	+39°836	0.85	43.6843	10.4
II	...	...	...	...	...	4I	...	...	...	...	...	7I	...	...	...	...	...
...	-58°553	+47°812	0.65	...	...	...	-52°746	+31°321	0.80	...	...	...	...	-47°908	-26°052	-5	...	...
...	58°515	+24°750	-3	...	...	*	52°727	-5°422	1.10	43.6838	9.8	...	...	47°058	+36°451	-5	...	...
...	58°404	+36°661	1.05	43.6835	10.0	...	52°573	+40°517	0.95	43.6840	10.2	*	...	46°512	-5°717	1.10	43.6844	9.9
...	58°355	+43°810	-1	...	...	...	52°540	+10°962	-2	...	...	...	...	46°331	+51°314	-5	...	...
†	58°095	-39°607	-5	...	...	...	52°488	+45°656	0.90	43.6841	10.0	...	...	45°906	+5°042	-3	...	...
...	-57°914	+56°817	-5	...	...	*	-52°443	+27°852	1.60	43.6839	9.2	...	...	-45°857	-32°919	-5	...	...
...	57°543	-34°504	0.95	44.7110	10.0	...	52°182	-22°345	0.80	44.7112	10.4	...	...	45°737	-0°930	-4	α	...
...	57°488	+5°620	0.85	43.6836	10.2	...	51°856	+14°937	-5	M	...	...	...	45°364	+23°530	0.85	...	...
...	57°278	+7°604	-4	...	...	...	51°849	+8°892	0.70	...	...	...	...	45°337	-11°962	0.75	...	...
*	57°217	-58°581	1.15	44.7109	10.0	...	51°452	+41°380	-5	M	...	...	...	45°193	+0°722	0.70	...	...
2I	...	...	...	...	...	5I	...	...	...	...	...	8I	...	...	...	...	...
...	-57°131	+5°612	-4	...	...	...	-51°362	-22°967	0.65	...	...	...	...	-44°958	+39°656	0.70	...	...
...	56°875	-36°708	-5	...	...	...	51°245	+45°193	0.90	43.6842	9.9	...	...	44°660	+21°231	0.75	...	...
...	56°746	-35°475	0.65	...	...	...	51°013	-35°944	-4	...	...	*	...	44°652	-42°800	1.40	44.7119	9.7
...	56°349	+52°129	-5	...	...	...	50°994	-53°280	0.75	44.7113	10.4	...	...	44°338	+52°431	-4	...	...
...	55°737	+14°743	0.70	...	...	...	50°786	-49°224	-3	...	...	...	...	44°091	+46°815	-4	...	...
...	-55°630	+59°837	-5	...	...	...	-50°524	-13°689	-5	...	...	*	...	-43°695	+56°309	1.80	42.6879	8.9
...	55°596	+26°320	-5	...	...	...	50°294	+2°163	0.80	...	...	...	...	43°544	+32°171	0.80	...	...
...	55°381	-10°402	-5	...	...	...	50°270	-22°596	0.75	44.7114	10.4	...	...	43°489	-10°968	0.70	...	...
†	55°191	+1°875	0.70	43.6837	10.4	...	50°066	+56°944	-5	...	...	...	...	43°451	-38°843	0.90	44.7121	10.2
†	55°147	-52°270	1.00	44.7111	10.2	...	50°041	-40°729	0.65	...	...	...	...	43°444	+36°489	0.75	...	...

NM measured from 1, 242, 484, 682.
ES " " 107, 352.
LB " " 636, 713.

NM's measures rough; several altered in revision.
2, 3. 43°·90, two stars; 44°·90, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-43.159	-29.823	-1	...	...	151	-30.836	+54.809	1.10	42.6890	10.1	211	-24.063	-19.711	0.90	44.7140	10.4
...	42.757	+47.807	-5	...	...	*	30.495	-32.302	1.60	44.7133	9.2	...	24.023	-57.480	-5	...	...
...	42.515	-6.391	0.65	...	...	†	30.218	+49.700	1.25	43.6853	9.8	...	23.995	+12.896	-2	...	...
...	42.478	-36.115	0.80	...	...	...	30.078	-45.866	0.75	...	...	...	23.886	-23.504	-3	...	...
†	42.293	-14.676	0.85	44.7122	10.2	...	29.967	+23.867	-5	M	...	...	23.848	+50.230	1.00	43.6862	10.4
...	-42.290	+14.792	0.70	...	...	...	-29.711	-34.859	-5	...	...	...	-23.719	+49.545	0.95	...	...
...	42.189	-57.119	-3	...	...	...	29.692	-1.219	-5	...	...	...	23.630	+21.966	-1	...	...
...	41.783	+7.413	-5	M	...	...	29.620	+32.714	-5	...	...	...	23.619	-48.227	-5	...	...
...	41.725	-2.707	-5	...	...	†	29.546	-29.642	0.85	...	...	...	23.587	-11.204	-2	...	...
...	41.519	+32.871	0.95	43.6845	10.4	*	29.453	+53.863	1.20	43.6855	9.9	...	23.250	-17.894	-3	...	...
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...	...
...	-41.438	+2.433	-5	M	...	...	-29.430	+46.884	0.90	...	...	...	-23.134	-12.640	0.65	...	...
*	41.127	+17.874	1.60	43.6846	9.1	α *	29.430	+0.365	1.25	43.6854	9.4	...	23.008	-45.011	-5	...	...
...	41.097	+49.765	-5	...	...	*	29.198	+23.432	0.90	...	...	*	22.752	-54.799	1.10	44.7141	10.0
...	41.029	-13.402	0.85	...	...	...	29.165	-22.201	0.90	44.7135	10.4	...	22.632	+24.228	0.70	...	...
...	40.796	+26.101	-1	...	...	...	29.044	+50.779	-5	...	...	...	22.620	-16.851	-5	...	...
...	-40.459	-36.535	0.75	...	...	...	-28.861	+12.089	-5	M	...	...	-22.377	-50.851	0.80	...	...
S †	40.139	+47.683	1.60	43.6847	9.3	*	28.676	+39.097	2.00	43.6856	8.5	S *	22.134	+29.704	1.90	43.6863	8.6
...	40.049	-13.169	0.70	...	...	...	28.625	-18.726	-2	...	...	...	21.986	-21.306	0.70	...	...
...	39.979	-54.220	0.90	44.7123	10.4	...	28.008	-50.073	-1	...	...	...	21.964	-19.082	-2	...	...
...	38.583	+53.007	0.70	...	...	...	27.925	+34.390	-2	...	...	*	21.790	-50.512	1.10	44.7142	9.8
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...	...
...	-38.396	+22.959	-2	...	...	...	-27.874	-12.739	-5	...	...	...	-21.702	-53.281	-1	...	...
...	38.358	+29.302	0.65	...	...	...	27.848	+41.530	-2	...	...	...	21.617	+26.320	-3	...	...
*	37.907	-32.975	1.00	44.7125	10.2	†	27.743	+0.216	0.85	α	...	...	21.471	-39.230	-2	...	...
...	37.573	-42.407	0.80	...	...	...	27.497	+59.307	0.75	...	...	...	21.363	-32.653	-1	...	...
...	36.938	-58.824	0.95	...	...	...	27.323	-13.708	-4	...	...	...	21.099	-32.739	0.70	...	...
S *	-36.906	-19.489	0.95	44.7126	10.2	...	-27.290	-38.896	0.80	...	...	...	-20.818	+0.325	-2	α	...
S *	36.615	+8.618	1.00	43.6848	9.8	...	27.126	+21.571	0.85	43.6858	10.4	...	20.722	-16.184	-5	...	...
...	35.992	+16.396	1.00	43.6849	10.0	*	27.029	-10.852	1.00	44.7137	9.9	S *	20.704	-8.253	1.55	44.7143	9.2
...	35.702	-33.110	-5	...	...	*	27.001	+53.300	1.05	43.6859	10.0	...	20.427	+39.800	-4	B	...
...	35.552	+15.880	-3	...	...	*	26.959	+5.586	1.15	43.6857	9.7	...	20.374	-58.101	-1	...	...
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
...	-35.406	-18.814	-2	...	...	*	-26.761	-40.795	1.15	44.7136	9.8	†	-20.319	+55.143	-5	M	...
*	34.591	-1.356	1.05	43.6850	9.7	*	26.571	-48.867	1.00	44.7138	10.0	...	20.123	-29.852	-5	...	...
...	34.524	+57.342	-5	...	...	...	26.331	-27.924	0.95	44.7139	10.2	...	19.923	+43.970	-5	M	...
...	34.511	-3.037	0.65	...	...	...	26.328	+38.138	-4	...	...	*	19.855	-13.548	0.95	44.7144	10.0
...	34.255	+19.465	0.75	...	...	...	26.178	-26.822	0.65	...	...	†	19.771	+35.136	1.80	43.6864	8.9
*	-34.250	-18.379	1.15	44.7128	9.4	...	-26.144	-20.147	0.65	...	...	...	-19.746	-23.485	-5	...	...
*	34.214	-22.015	0.90	44.7129	10.2	...	26.075	-38.387	0.75	...	...	...	19.659	-13.852	0.80	...	...
...	33.886	-0.594	-4	...	...	...	25.684	+54.206	-5	...	...	...	19.539	-7.650	0.70	...	...
...	33.720	+6.450	-5	M	...	...	25.550	-47.272	-4	...	...	*	19.214	+47.889	1.50	43.6865	9.4
...	33.682	-50.153	-4	...	...	...	25.428	+28.277	-4	...	...	*	19.135	-27.735	1.80	44.7146	9.1
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
*	-33.615	-32.362	0.95	44.7131	9.8	...	-25.420	+53.688	-1	...	...	...	-18.747	+56.203	0.70	...	...
*	33.552	-3.742	1.00	43.6851	9.9	†	25.252	-11.308	-5	...	...	*	18.733	-12.165	1.00	44.7149	10.2
...	33.549	-11.831	0.75	...	...	†	25.242	+38.071	1.25	43.6860	9.4	...	18.714	+41.698	0.75	...	...
*	33.494	-51.912	1.15	44.7130	9.7	...	25.087	-10.733	-5	...	...	...	18.678	-36.404	0.70	...	...
*	33.483	-24.317	1.70	44.7132	9.2	...	25.078	+13.093	0.70	...	...	...	18.615	+55.341	-5	...	...
...	-33.475	-42.046	-1	...	...	...	-24.969	-26.203	-5	...	...	*	-18.551	-45.966	1.50	44.7148	9.2
...	33.376	+49.198	-5	M	...	...	24.801	+12.871	-1	...	...	*	18.478	-52.096	1.10	44.7147	9.7
...	32.939	+2.462	-5	M	...	N	24.689	+51.329	0.75	A	...	...	18.348	+26.681	0.85	...	...
...	32.805	-2.228	-1	...	...	...	24.688	-54.471	-4	...	...	...	18.290	+40.515	0.70	...	...
...	32.718	+34.025	0.65	...	...	...	24.665	-12.182	-4	...	...	...	18.120	-15.228	-5	...	...
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
*	-32.599	+16.989	1.10	43.6852	9.8	...	-24.557	+2.877	-2	...	...	...	-18.108	-7.180	-4	...	...
...	32.082	+39.036	-2	...	...	...	24.444	-51.109	0.70	...	...	...	17.890	-32.089	-5	...	...
...	32.052	+12.293	-5	M	...	...	24.395	+28.071	0.75	...	...	...	17.886	-39.959	-5	...	...
...	31.921	-40.765	0.70	...	...	...	24.362	-9.214	-3	...	...	...	17.831	-28.530	-5	M	...
...	31.759	-17.654	0.80	...	...	...	24.351	+12.644	-4	M	...	...	17.757	+28.514	-5	M	...
...	-31.740	+40.227	-5	M	...	...	-24.298	-55.041	0.65	...	...	...	-17.735	-48.383	-3	...	...
...	31.654	-26.223	-4	...	...	*	24.280	+32.305	0.90	43.6861	10.2	...	17.701	+59.319	-5	...	...
...	31.001	+22.749	0.90	...	...	...	24.277	-11.267	-5	M	...	...	17.314	-39.024	-5	...	...
...	30.998	+38.618	0.95	...	...	...	24.242	+5.788	-2	...	...	...	17.121	-7.796	0.90	44.7150	10.2
...	30.867	+27.843	0.80	...	...	...	24.144	+3.936	-4	M	...	...	16.665	-19.984	-5	...	...

198. 43° 90, obscured by réseau.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-330						331-390						391-450					
271	-16.623	-6.725	-4	...	...	331	-4.949	-26.145	0.65	...	...	391	+5.922	+22.672	-3	...	...
...	16.446	-43.002	-4	...	...	...	4.431	-11.311	-5	...	...	...	* 5.926	-52.669	1.10	44.7167	9.9
...	16.261	+23.274	-3	A	...	...	4.426	-52.979	0.80	...	...	...	5.964	-29.926	-5	...	...
†	15.649	-49.646	0.90	44.7151	10.0	...	4.266	-22.884	-5	...	...	...	5.969	-45.589	-4	...	...
S *	15.634	-31.831	2.10	44.7152	8.5	...	4.217	+47.931	-5	M	...	...	* 6.120	+29.822	0.95	43.6871	10.0
*	-15.479	-39.018	1.00	44.7153	9.8	...	-3.955	+21.869	-5	M	...	...	+ 6.218	-12.732	-5	...	...
...	15.220	-42.217	-4	...	...	...	3.710	-37.964	0.70	...	...	...	6.247	-35.289	-1	...	...
...	15.176	-47.892	0.95	44.7154	10.4	...	3.558	+49.577	-2	...	...	...	6.256	-10.401	-5	...	...
...	14.774	-29.561	-5	...	...	...	3.460	-26.402	-5	...	...	...	* 6.268	-58.007	1.05	44.7168	10.0
...	14.628	+39.951	0.65	...	...	...	2.975	+42.430	0.70	...	...	...	* 6.270	-30.436	1.10	44.7169	9.7
281	-14.528	-46.281	-3	...	...	341	-2.460	-27.798	0.65	...	...	401	+ 6.332	+ 0.918	0.65	...	...
...	14.370	+ 5.276	0.70	...	...	...	2.333	+43.293	-5	M m	...	...	6.346	+21.426	-5	...	...
...	14.340	+42.039	-2	...	...	...	1.412	+31.910	-5	M m	...	...	6.477	-2.044	-3	...	...
...	14.167	-38.928	-5	...	...	...	1.257	+37.550	0.70	...	...	...	* 6.516	+38.231	1.35	43.6873	9.3
*	14.037	-17.263	1.20	44.7155	9.8	...	1.185	-6.032	-5	...	...	...	* 6.546	+17.218	1.00	43.6872	10.2
...	-13.823	+37.524	-5	...	...	...	-1.181	+57.254	0.70	...	...	...	+ 6.641	-36.609	-5	...	...
...	13.578	+27.592	-5	M	...	...	1.069	-24.502	0.70	...	...	...	6.677	+24.597	0.65	...	...
†	13.076	-59.583	2.00	44.7156	8.7	...	1.048	-33.511	-5	...	...	...	6.743	+31.885	-2	...	...
†	12.741	-19.203	0.90	44.7157	10.2	...	0.494	+20.018	0.70	...	...	...	* 6.844	-59.274	1.10	44.7170	9.9
...	12.317	-32.153	-5	...	...	...	0.418	+31.413	0.80	...	...	...	6.884	-0.871	-4	...	...
291	-12.267	-47.628	-1	...	...	351	-0.380	+52.561	-3	...	...	411	+ 6.929	+23.746	0.85	43.6874	10.4
...	11.879	+ 5.587	0.85	...	...	...	+ 0.089	+44.953	0.65	...	...	...	6.960	-24.141	-4	...	...
*	11.609	+32.337	1.50	43.6866	9.6	...	0.418	-51.361	-4	...	...	...	7.259	-21.603	-3	...	...
...	11.549	-16.029	-5	...	...	...	0.578	+20.094	-1	...	...	...	7.392	+37.362	-4	...	...
...	11.418	-55.031	-5	...	...	...	0.714	-27.996	0.70	...	...	...	7.471	+41.602	0.90	...	...
...	-11.036	+55.587	-5	M	...	...	+ 0.752	+19.800	-1	M	...	...	+ 7.860	+49.482	0.80	...	...
...	10.866	-8.491	0.70	...	...	...	1.123	-33.841	-4	...	...	...	8.144	+37.840	-5	...	...
...	10.798	-57.800	-5	M	...	...	1.165	-21.646	-5	...	...	...	8.189	+31.948	-5	...	...
...	10.770	+ 7.485	0.70	B	...	...	1.485	-0.349	0.85	...	...	...	8.495	-50.061	-5	...	...
...	10.566	-34.597	-4	...	...	...	1.569	-36.262	-3	...	...	...	* 8.671	+23.001	0.90	43.6875	10.4
301	-10.243	+53.110	-4	...	...	361	+ 1.645	+57.091	0.95	...	...	421	+ 8.749	+ 2.718	0.70	...	...
...	10.211	+38.033	0.65	...	...	...	1.706	-27.788	-2	...	...	...	9.159	+44.843	-2	...	...
...	10.142	+35.859	-3	...	...	...	1.749	-54.532	0.80	...	...	...	9.161	-10.660	-5	...	...
...	10.029	-35.959	-5	...	...	...	1.896	-7.338	-4	...	...	...	9.451	+38.084	-4	...	...
...	9.975	+28.491	-5	...	...	...	2.030	+13.850	-4	M	...	...	10.034	-44.547	0.95	44.7172	10.0
...	-9.626	-28.553	0.75	...	...	...	+ 2.146	+26.659	0.85	...	...	...	+ 10.179	+18.982	-5	m	...
...	9.546	+45.780	-1	...	...	...	2.546	-40.556	-4	...	...	...	10.241	+ 4.758	-3	b	...
*	9.461	-36.148	1.10	44.7158	9.7	...	2.915	+51.878	0.90	...	...	...	10.259	-18.708	-5	...	...
*	9.061	-52.585	1.30	44.7159	9.8	...	3.073	+35.421	-5	M m	...	...	10.304	-36.805	-2	...	...
...	9.021	+24.184	-2	...	...	...	3.169	-20.304	0.70	...	...	...	10.418	-30.234	0.65	...	...
311	-8.886	-17.003	-5	...	...	371	+ 3.273	-9.714	-3	...	...	431	+ 10.688	-53.657	0.65	...	...
...	8.849	+28.213	-5	M	...	...	3.442	-9.763	0.70	...	...	...	11.276	+18.665	0.70	...	...
...	7.920	-29.018	-5	M	...	...	3.738	-1.663	0.85	43.6869	10.4	...	11.467	-15.914	-5	...	...
*	7.639	-36.847	1.70	44.7160	9.0	...	3.804	+18.033	-5	M	...	...	11.629	+58.856	0.95	...	...
...	7.455	+45.249	-5	M	...	...	3.814	-34.765	0.75	44.7166	10.0	...	11.859	-27.119	-5	...	...
...	-7.159	-25.280	0.70	...	...	n †	+ 3.844	-34.704	0.90	...	...	...	+ 12.106	+37.120	-5	...	...
...	6.813	-5.224	0.85	43.6867	10.4	*	3.869	+41.844	1.20	43.6870	9.7	...	12.206	+55.530	-2	...	...
...	6.493	+50.862	0.75	...	...	...	3.984	-50.060	0.65	...	...	...	12.297	-7.018	-2	...	...
...	6.150	-36.870	-5	...	...	...	4.007	-40.757	-3	...	...	...	* 12.465	-52.220	1.00	44.7173	9.9
...	6.105	-41.378	-5	...	...	...	4.131	+ 9.681	-5	M m	...	...	* 12.591	-15.921	1.35	44.7174	9.2
321	-5.942	+ 4.611	-5	M	...	381	+ 4.140	-27.321	-3	...	...	441	+ 12.603	+56.329	-4	...	...
...	5.739	+48.803	0.80	...	...	...	4.163	+40.508	-4	M	...	...	12.610	-51.900	-2	...	...
*	5.702	-37.342	1.00	44.7161	10.0	...	4.248	-20.382	-5	...	...	...	* 12.777	-41.524	1.20	44.7175	9.8
...	5.536	-15.914	0.65	...	...	...	4.872	-48.870	0.65	...	...	...	12.851	-6.245	-4	...	...
...	5.534	+ 6.479	-5	M	...	...	5.066	-32.676	-3	...	...	...	12.902	-45.235	0.65	...	...
*	-5.517	-49.335	1.15	44.7162	9.3	...	+ 5.098	-31.627	-3	...	...	...	+ 13.070	-26.251	1.80	44.7176	8.9
...	5.461	+ 8.986	0.85	...	...	...	5.295	+12.087	0.80	...	...	...	13.135	+10.794	0.75	...	...
...	5.444	-43.569	0.80	...	...	...	5.351	+58.071	0.65	...	...	...	13.327	-17.103	-5	...	...
...	5.153	+54.906	-2	...	...	...	5.895	-1.769	0.80	...	...	...	13.354	-17.412	-5	m	...
*	5.074	+52.123	1.20	43.6868	10.0	...	5.922	+54.800	-5	...	...	...	14.083	-32.208	0.80	44.7177	10.4

375, 376. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-510						511-570						571-630					
451	+14.256	-2.022	-5	...	...	511	+22.427	-27.640	1.30	...	...	571	+31.396	+41.457	-5	...	...
...	14.560	+4.611	0.90	43.6876	10.2	...	22.458	-5.447	-5	m	...	...	31.586	-47.243	0.65	...	...
†	14.648	-13.971	-2	...	...	*	22.565	-39.115	1.10	44.7188	9.8	...	31.800	-10.321	-4	...	...
...	14.714	+45.830	-5	...	...	*	22.611	-13.511	1.00	44.7187	10.0	*	31.869	+32.674	0.85	43.6891	10.2
...	14.715	+12.516	-4	...	...	*	22.823	-50.396	1.00	44.7190	9.8	*	32.183	-10.852	2.20	44.7201	8.2
...	+14.902	+59.606	-1	...	...	...	+22.867	+47.890	0.70	...	...	...	+32.260	+19.028	-3	...	...
...	14.952	-14.067	0.80	44.7178	10.4	...	23.058	-29.186	0.65	...	...	†	32.298	+0.168	0.70	...	...
...	14.954	+6.815	-2	...	...	...	23.122	-13.520	0.85	44.7189	10.2	...	32.447	-17.800	-5	...	...
*	14.971	+46.725	1.25	43.6878	9.8	...	23.220	+56.271	0.65	...	...	...	32.550	-42.902	-5	...	...
S*	14.976	+40.401	2.90	43.6877	7.7	...	23.253	+56.539	-4	...	...	...	32.662	+50.625	-5	...	...
461	...	...	...	...	...	521	...	...	...	...	...	581	...	...	...	...	...
...	+15.126	-19.357	-2	...	...	...	+23.311	-14.530	-5	...	...	...	+32.698	-11.787	-4	...	...
...	15.368	-32.560	-1	...	...	...	23.590	-38.690	-5	...	...	...	32.886	+36.304	-4	...	...
...	15.697	+54.467	-5	...	...	*	23.785	-52.021	1.60	44.7191	9.0	...	33.194	-53.226	-5	...	...
*	16.262	-24.090	0.95	44.7179	10.1	...	23.795	-30.832	-4	...	...	...	33.239	-3.751	-5	...	...
...	16.568	-44.108	0.80	...	...	...	23.834	+58.492	-3	...	...	...	33.393	-4.049	0.75	...	...
*	+16.592	-21.380	1.00	44.7180	9.8	...	+23.960	-10.231	-3	...	...	...	+33.708	-8.257	0.85	...	...
...	16.611	-16.788	0.75	...	...	...	24.034	-7.510	0.85	44.7192	10.0	...	33.928	-24.240	-5	...	...
...	16.777	-18.014	-4	...	...	...	24.164	+22.113	-5	m	...	*	33.949	-16.372	1.70	44.7203	8.6
*	17.045	+8.300	1.05	43.6879	9.9	...	24.265	-3.482	-5	...	...	...	34.174	+21.645	-4	...	...
...	17.304	-58.957	-1	...	...	*	24.266	-6.686	1.00	44.7193	9.8	...	34.412	-26.729	-5	...	...
471	...	...	...	...	...	531	...	...	...	...	...	591	...	...	...	...	...
...	+17.407	+36.272	-2	...	...	...	+24.393	+51.671	0.70	43.6887	10.2	...	+34.493	+5.118	0.80	43.6892	10.2
...	17.504	-51.428	-5	...	...	†	24.518	+7.256	0.65	...	...	...	34.757	-2.236	-2	...	...
...	17.571	+32.392	-3	...	...	...	24.852	-27.170	0.85	44.7194	10.1	...	34.798	-19.036	-2	...	...
...	17.664	-4.309	0.85	43.6880	10.2	...	24.955	+17.962	-1	...	...	*	34.823	+31.114	0.95	43.6893	10.2
...	17.750	+39.013	-5	...	...	...	25.177	+43.995	-5	...	...	...	35.063	+4.740	0.95	43.6895	10.2
...	+17.864	-50.367	0.70	...	...	...	+25.226	+24.990	0.65	...	...	...	+35.069	-49.357	-5	...	...
...	18.067	+3.231	-5	...	...	...	25.255	-54.301	0.80	44.7195	10.2	*	35.111	+43.386	1.30	43.6894	9.4
...	18.598	+56.109	0.85	...	...	...	25.296	+34.995	0.70	...	...	...	35.309	-57.109	-4	...	...
...	18.640	+16.803	-4	...	...	...	25.447	-44.733	-4	...	...	S*	35.442	+25.359	1.60	43.6896	9.0
...	18.691	+39.011	-4	...	...	...	25.540	+24.516	0.65	...	...	...	35.836	+3.574	-5	m	...
481	...	...	...	...	...	541	...	...	...	...	...	601	...	...	...	...	...
...	+18.904	+52.982	0.90	...	...	*	+25.673	-15.854	0.95	44.7196	9.8	...	+35.864	-18.556	-5	...	...
*	19.073	+59.305	1.15	42.6916	10.1	*	25.706	-25.842	1.15	44.7197	9.4	...	35.890	-10.952	-5	...	...
†	19.548	+31.161	-4	...	...	...	26.135	+49.306	0.70	...	...	...	36.127	+43.633	-1	...	...
...	19.657	+3.185	0.80	43.6881	10.1	...	26.625	+17.935	-5	...	...	*	36.241	-11.399	1.00	44.7204	9.8
...	19.777	+27.158	-4	...	...	...	26.661	-55.799	0.80	44.7198	10.1	*	36.439	-20.510	1.20	44.7205	9.2
...	+19.821	+36.864	-5	...	...	...	+26.670	+57.796	0.80	...	...	*	+36.618	-7.738	1.00	44.7206	9.6
...	19.908	-39.412	-4	...	...	...	26.971	+48.659	0.75	...	...	...	36.738	-5.581	0.75	...	...
...	19.947	-7.021	-5	...	...	...	27.047	+11.819	-5	...	...	...	36.754	+27.651	-5	...	...
...	20.174	-33.473	0.80	...	...	...	27.503	+37.959	0.85	43.6888	10.2	...	36.772	+40.240	0.75	...	...
...	20.419	+54.592	-5	...	...	...	27.681	-41.839	0.65	...	...	...	36.859	+15.802	-5	...	...
491	...	...	...	...	...	551	...	...	...	...	...	611	...	...	...	...	...
...	+20.628	+29.425	-4	...	...	*	+27.824	-8.968	1.00	44.7199	9.6	...	+36.937	+12.888	-3	...	...
...	20.696	+40.356	0.85	43.6882	10.2	...	27.830	-5.818	0.70	...	...	...	37.567	-45.901	1.00	44.7209	10.2
*	20.960	-0.241	0.95	43.6884	9.7	*	27.909	-57.411	1.20	44.7200	9.6	...	37.597	-9.292	-4	...	...
...	21.008	+49.989	0.90	43.6883	10.0	...	27.921	-23.516	-2	...	...	*	37.621	-8.422	0.95	44.7207	10.1
...	21.011	-58.391	-4	...	...	*	28.138	+2.751	0.95	43.6889	10.1	*	37.747	-20.760	0.90	44.7208	10.0
...	+21.198	-28.802	-5	...	...	...	+28.837	-28.245	-5	...	...	...	+37.819	+28.234	-4	...	...
...	21.201	+54.272	-5	...	...	...	29.108	-15.333	-5	...	...	...	37.845	+27.032	0.65	...	...
*	21.461	+22.185	1.00	43.6885	9.7	...	29.212	-18.313	-5	...	...	...	37.862	-15.441	0.80	...	...
...	21.563	+28.169	-5	...	...	†	29.529	+31.821	0.80	...	...	n	37.996	-8.548	0.80	44.7210	9.7
...	21.630	+57.535	1.00	42.6917	10.1	...	29.656	+24.222	-4	...	...	...	38.083	-54.934	-4	...	...
501	...	...	...	...	...	561	...	...	...	...	...	621	...	...	...	...	...
S*	+21.721	-6.036	2.20	44.7182	7.8	...	+30.050	-5.041	-5	...	...	n*	+38.099	-8.555	1.00	44.7210	9.7
...	21.832	-6.602	-3	...	...	...	30.167	+14.616	0.65	...	...	...	38.217	-16.119	-5	...	...
...	21.938	-30.559	-5	...	...	*	30.169	+37.970	1.05	43.6890	9.7	...	38.242	+33.204	-5	...	...
...	22.047	-33.350	-5	...	...	...	30.447	+36.262	-4	...	...	...	38.383	+36.860	0.90	43.6897	10.2
...	22.056	-11.993	0.85	44.7183	10.2	...	30.618	+19.217	0.65	...	...	...	38.421	+14.393	0.70	...	...
...	+22.132	-35.169	0.70	...	...	...	+30.783	+38.751	0.70	...	...	...	+38.680	-15.621	-5	...	...
*	22.291	-13.096	1.00	44.7184	9.8	...	31.049	+26.087	-4	...	...	...	38.716	+14.147	-4	...	...
...	22.300	+1.121	0.85	43.6886	10.0	†	31.087	+20.102	-3	...	...	*	38.777	-20.431	1.30	43.6898	9.4
...	22.352	-48.133	-3	...	...	...	31.275	+7.305	-4	m	...	...	38.901	-20.617	-4	...	...
SN*	22.387	-53.773	6.00	44.7186	5.1	...	31.321	+57.030	-5	...	...	...	38.931	-11.984	-5	...	...

510. Remeasure 1918, x=22.372.

619, 621. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-670						671-710						711-732					
631	+38'936	+41'925	-4	...	...	671	+48'318	-58'620	0·80	44.7216	9·8	711	+54'098	-13'225	-5	...	...
...	38'999	+10'579	-3	...	...	...	48'348	-8'836	-4	...	...	...	54'297	-0'385	-5	e	...
†	39'134	+15'219	0·65	...	...	*	48'390	+19'725	1·10	43.6905	9·0	*	55'326	-17'344	1·00	44.7221	9·6
...	39'142	-7'993	-5	...	...	...	48'527	+58'392	-1	...	...	...	55'367	-50'559	-1	...	...
...	39'151	-28'041	-5	...	...	...	48'676	+11'781	-5	...	...	...	55'444	+2'353	-4	...	...
...	+39'888	+36'905	-5	...	...	...	+48'871	+26'548	-4	...	...	...	+55'650	-40'170	-2	44.7222	10·2
...	40'350	-42'750	-5	...	...	...	48'892	+31'989	0·65	43.6906	10·2	...	56'000	+22'308	0·65	43.6910	10·2
...	40'384	+47'048	0·70	43.6899	10·0	...	48'946	-10'299	-5	...	...	...	56'506	-12'632	-3	...	...
...	40'481	+32'797	-3	...	...	...	49'352	+1'653	-4	...	...	...	56'596	-10'821	-4	...	...
...	40'534	-45'963	0·65	44.7211	9·9	...	49'395	+9'326	-5	e	...	...	56'602	+9'487	-5	...	...
641	+40'685	+24'054	-3	...	...	681	+49'408	+32'494	2·00	43.6907	7·7	721	+56'859	-38'494	2·50	44.7223	7·8
...	41'110	-32'305	-4	...	...	†	49'585	-40'338	1·60	44.7217	8·8	S*	56'934	+48'772	-5	...	...
...	41'524	+43'249	-4	...	...	†	49'754	-51'846	-5	...	...	...	57'011	-6'841	0·70	...	...
...	41'702	+34'048	-3	...	...	...	49'832	+25'671	-5	...	...	...	57'159	+1'099	-5	...	...
...	41'858	-29'446	-5	...	...	...	50'324	+34'168	-5	...	...	...	57'784	+48'877	0·75	43.6911	9·8
...	+42'137	-18'877	0·65	44.7212	10·2	...	+50'579	+27'611	-4	...	...	...	+57'789	+17'535	-5	...	...
...	42'348	+17'431	-3	...	...	...	50'587	+24'506	0·65	...	...	...	58'302	+28'806	-4	...	...
...	42'406	+32'902	-5	...	...	*	50'697	-54'264	2·60	44.7218	8·1	...	58'368	-32'987	-5	...	...
...	42'438	+54'829	-3	...	...	...	50'741	+14'583	0·65	...	...	...	58'424	-0'153	-5	f	...
...	42'745	+55'548	-3	...	...	...	50'744	-52'964	0·75	44.7219	10·2	...	58'610	+4'762	-4	...	...
651	+42'778	+47'446	0·65	43.6900	10·2	691	+50'823	+7'159	1·10	43.6908	9·4	731	+58'945	+45'325	-5	...	...
...	43'160	+6'209	-5	m	...	...	50'836	-42'402	-5	...	...	*	59'272	+24'672	1·05	43.6912	9·4
...	43'260	+27'876	-5	...	...	*	51'266	-54'264	3·00	44.7220	7·8	...	...	...	...	...	...
...	43'490	+42'800	-1	...	...	...	51'295	+16'001	-4	...	...	...	...	...	...	...	...
...	43'603	+13'628	-4	...	...	...	51'301	+20'863	-5	e	...	...	...	...	...	...	...
...	+43'641	-33'522	0·85	44.7213	9·6	...	+51'466	-11'698	-5	...	...	...	...	...	...	...	...
...	43'864	-36'330	-1	44.7214	10·1	...	51'598	-26'286	-5	...	...	...	...	...	...	...	...
*	43'893	+38'964	2·30	43.6901	7·5	...	51'680	-50'075	-5	...	...	...	...	...	...	...	...
*	44'221	+39'755	2·00	43.6903	7·9	...	51'699	-58'153	-4	...	...	...	...	...	...	...	...
...	44'236	+49'564	-1	43.6902	10·2	...	51'954	-17'164	-5	...	...	...	...	...	...	...	...
661	+44'242	-8'029	-5	...	...	701	+52'311	-45'682	-4	...	...	...	...	...	...	...	...
...	44'400	-35'144	-5	...	...	...	52'412	+31'225	-2	...	...	...	...	...	...	...	...
...	45'112	+12'240	-1	...	...	...	52'460	-27'972	0·80	...	...	...	...	...	...	...	...
...	45'356	-18'986	0·80	44.7215	9·8	...	52'573	+7'096	-5	...	...	...	...	...	...	...	...
...	45'907	+39'492	-4	...	...	...	52'817	-31'566	0·65	...	...	...	...	...	...	...	...
...	+46'243	+24'955	0·70	43.6904	10·1	...	+53'121	-32'854	-5	...	...	...	...	...	...	...	...
...	46'247	+34'287	-5	...	...	...	53'123	+41'569	-5	...	...	...	...	...	...	...	...
...	47'005	+38'807	-2	...	...	...	53'526	-31'514	-1	...	...	...	...	...	...	...	...
...	47'818	+31'254	-5	...	...	...	53'537	-58'096	-5	...	...	...	...	...	...	...	...
...	48'202	+9'229	-5	...	...	*	53'628	+19'682	1·00	43.6909	9·9	...	...	...	...	...	...

1-10						11-20						21-30					
I	x.	y.	Diam.	C.P.D.	Mag.	II	x.	y.	Diam.	C.P.D.	Mag.	2I	x.	y.	Diam.	C.P.D.	Mag.
*	-60'127	+19'529	1·30	43.6905	9·0	...	-58'665	-10'447	-5	...	...	2I	-57'110	-40'462	1·60	44.7217	8·8
...	60'122	-0'674	-5	...	...	...	58'634	+34'045	-4	...	...	*	56'604	-51'929	-5	...	...
...	60'007	+31'809	0·65	43.6906	10·2	...	58'631	+1'509	-3	...	...	...	56'452	+31'159	-3	...	...
...	60'006	+9'041	-5	...	...	...	58'189	+27'476	-4	...	...	...	56'114	-11'759	-5	...	...
...	59'857	+26'365	-3	...	...	...	58'083	+24'381	-1	...	...	...	55'801	-42'471	-4	...	...
...	-59'600	+11'604	-2	...	...	...	-57'829	-58'761	0·65	44.7216	9·8	...	-55'585	-53'033	-1	44.7219	10·2
*	59'501	+32'330	2·30	43.6907	7·7	...	57'629	+14'471	-2	...	...	*	55'572	-54'343	2·50	44.7218	8·1
...	59'308	-9'007	-3	...	...	*	57'319	+7'057	1·00	43.6908	9·4	...	55'541	-26'331	-5	...	...
...	58'870	+25'507	-4	...	...	...	57'255	+20'768	-5	E	...	*	54'991	-54'340	3·10	44.7220	7·8
...	58'819	+9'182	-4	E	...	...	57'118	+15'906	-5	...	...	...	54'898	+19'636	0·80	43.6909	9·9

LB measured from 1, 124, 285, 416, 538, 668.
 ES " " 64.
 MC " " 194, 348, 474, 611, 732.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
3I	...	...	...	...	...	9I	...	...	...	...	...	15I	...	...	...	...	...
...	-54·711	-50·116	-5	...	...	...	-44·846	-47·487	-2	44·7226	10·2	...	-37·244	+6·834	-5	...	...
...	54·619	-28·016	-1	...	...	...	44·845	+27·758	-3	...	...	...	37·219	-29·567	-2	...	...
...	54·456	-58·197	-3	...	...	n	44·327	+20·130	0·80	43·6913	9·7	...	36·919	-7·924	-3	...	...
...	54·236	-45·722	-4	...	...	...	44·315	+50·574	-1	...	...	...	36·867	-54·690	-4	...	...
...	54·153	-31·606	-1	...	...	...	44·286	+27·618	-4	...	...	...	36·534	+4·507	-1	...	...
...	-54·148	+59·103	-5	...	...	...	44·262	-15·952	-4	...	...	*	-36·370	-6·216	0·85	44·7236	9·8
...	53·815	-32·865	-5	...	...	...	44·063	+52·629	-1	43·6914	10·2	...	36·318	+59·255	-5	...	...
...	53·626	-0·384	-4	E	...	n*	44·044	+20·320	1·00	43·6913	9·7	*	36·184	+5·623	0·80	43·6920	9·8
...	53·560	+35·431	-5	...	...	...	43·906	+38·931	-5	...	...	...	35·861	-0·858	0·70	43·6921	10·2
...	53·447	-31·530	0·65	...	...	...	43·874	+55·942	-5	...	...	...	35·797	-40·712	-1	...	...
4I	...	...	...	...	...	10I	...	...	...	...	...	16I	...	...	...	...	...
...	-53·424	-13·228	-4	...	...	...	-43·516	-1·655	-4	...	...	...	-35·535	-17·850	0·65	...	...
...	53·291	-34·287	-5	...	...	...	43·503	+41·928	-4	...	...	...	35·339	+1·816	1·20	43·6922	9·2
...	53·014	+14·193	-5	...	...	...	43·082	-32·217	-5	...	...	S*	35·130	+10·564	2·05	43·6923	7·6
...	52·650	-58·075	-3	...	...	...	43·024	+43·437	-4	...	...	...	35·000	-58·955	0·75	44·7237	10·0
...	52·604	+22·363	0·75	43·6910	10·2	...	42·850	-30·934	-4	...	...	*	34·746	+19·135	0·90	43·6924	9·8
...	-52·561	+27·526	-4	...	...	...	-42·749	-26·488	-2	...	...	...	-34·520	+48·858	-5	M	...
...	52·560	+2·399	-2	...	...	...	42·554	+23·312	-3	...	...	...	34·321	+29·131	-3	...	...
...	52·473	+48·828	-2	...	...	...	42·467	-8·487	-4	...	...	...	34·150	-40·265	0·75	44·7238	10·2
...	52·290	+36·795	-5	...	...	...	42·221	-13·878	-3	...	...	...	33·990	-33·026	0·70	...	...
*	52·091	-17·290	1·00	44·7221	9·6	...	42·204	+22·688	0·65	...	...	...	33·916	+34·998	-4	...	...
5I	...	...	...	...	...	11I	...	...	...	...	...	17I	...	...	...	...	...
...	-51·632	+48·956	0·80	43·6911	9·8	...	-42·129	-39·264	-5	...	...	...	-33·915	-58·342	-3	...	...
...	51·614	+9·567	-4	...	...	S*	42·111	-29·362	-3	...	...	...	33·788	-41·785	-1	...	...
...	51·557	-39·413	-5	...	...	...	41·915	-7·601	5·70	44·7228	5·3	...	33·777	-6·093	0·80	44·7239	10·0
...	51·301	-13·872	-5	...	...	...	41·790	-32·185	-2	...	...	...	33·678	+35·674	0·75	...	...
...	51·123	+15·322	-5	...	...	*	41·745	-45·662	1·05	44·7227	9·8	...	33·474	+56·944	0·80	42·6949	10·1
...	-51·067	-40·091	0·65	44·7222	10·2	...	-41·521	+20·781	-4	...	...	...	-33·330	+33·325	-4	...	...
...	51·049	-12·550	0·65	...	...	...	41·410	+21·373	-3	...	...	...	33·312	+0·505	-5	M	...
...	51·033	-50·484	-1	...	...	...	41·327	+11·670	-4	...	...	...	33·182	-27·413	-2	...	...
...	51·005	-10·728	0·65	...	...	*	41·152	+42·414	0·95	43·6915	10·1	...	32·884	-41·251	-3	...	...
...	50·983	-27·426	-5	...	...	S*	40·992	-35·129	1·95	44·7229	8·2	...	32·827	+11·196	-4	...	...
6I	...	...	...	...	...	12I	...	...	...	...	...	18I	...	...	...	...	...
...	-50·799	+1·182	-3	...	...	...	-40·892	-4·974	-3	...	...	...	-32·612	+0·109	-5	M	...
...	50·708	-6·735	0·70	...	...	*	40·809	+27·660	0·95	43·6916	10·1	...	32·371	+7·801	-1	...	...
...	50·488	+28·925	-1	...	...	...	40·748	-13·186	-3	...	...	...	32·358	+48·401	-5	...	...
...	50·348	+45·435	-4	...	...	...	40·304	-39·307	0·75	44·7230	9·8	...	32·269	+47·007	0·95	43·6925	9·8
...	50·147	+18·363	-4	...	...	...	40·252	+55·329	0·65	...	...	*	32·217	-11·987	1·20	44·7240	9·0
S*	-49·890	-38·398	2·50	44·7223	7·8	...	-40·166	-9·854	0·90	44·7231	9·6	...	-32·193	+54·354	0·90	42·6953	10·1
...	49·501	-0·012	-3	F	...	...	40·039	+23·048	-4	...	...	...	31·717	-46·856	0·65	...	...
...	49·465	+4·886	-3	...	...	*	39·988	+4·164	0·85	43·6917	9·7	...	31·550	+27·357	0·65	...	...
...	49·407	+24·805	1·20	43·6912	9·4	...	39·759	+23·899	-5	...	...	...	31·543	+4·176	-4	...	...
...	48·938	+36·177	-2	...	...	...	39·607	+28·907	0·65	...	...	...	31·218	-15·082	-4	...	...
7I	...	...	...	...	...	13I	...	...	...	...	...	19I	...	...	...	...	...
...	-48·866	+18·426	0·80	...	...	...	-39·458	-45·350	-5	...	...	...	-31·203	-36·074	0·85	44·7241	9·8
...	48·748	+16·384	-2	...	...	...	39·408	-11·060	-4	...	...	...	30·830	-56·691	-2	...	...
...	48·567	-32·837	-4	...	...	*	39·392	+54·599	1·50	42·6945	9·5	...	30·765	-2·088	0·65	...	...
...	48·195	-3·167	-3	...	...	...	39·155	-49·853	-5	...	...	...	30·320	+31·975	-5	...	...
...	48·091	+9·488	-4	...	...	...	39·089	-32·470	-1	...	...	...	30·275	-49·492	-3	44·7242	10·2
...	-47·565	+20·890	-5	...	...	*	-38·994	+14·348	0·85	43·6918	9·8	...	-30·142	+35·608	-4	...	...
...	47·484	+40·505	-4	...	...	...	39·822	-42·999	-2	...	...	...	29·908	+48·200	-4	...	...
...	47·272	-39·284	-5	...	...	...	38·689	+40·977	0·65	43·6919	10·2	...	29·626	-11·745	-5	...	...
...	46·947	-1·056	0·80	...	...	...	38·580	+30·261	-4	...	...	...	29·570	-0·297	-4	...	...
...	46·751	-47·513	-4	...	...	...	38·504	-27·867	0·70	44·7232	10·2	...	29·527	+20·812	-3	...	...
8I	...	...	...	...	...	14I	...	...	...	...	...	20I	...	...	...	...	...
...	-46·690	-0·621	-2	...	...	*	-38·361	-33·880	0·90	44·7233	9·7	...	-29·388	-59·149	0·75	44·7243	9·8
...	46·404	-0·922	0·80	...	...	...	38·217	-35·452	-3	...	...	...	29·382	+34·763	2·50	43·6926	7·4
...	46·322	+16·788	-2	...	...	...	38·032	-26·143	-2	...	...	...	29·345	+35·809	-1	...	...
...	46·272	-21·901	-3	...	...	...	37·935	+21·127	-3	...	...	*	29·262	-38·298	1·00	44·7244	9·6
...	46·186	+10·145	-5	M	...	...	37·759	-36·538	-2	...	...	...	29·140	-50·120	-5	...	...
...	-45·847	-31·275	-2	...	...	...	-37·747	-45·374	0·90	44·7234	9·8	...	-28·778	-16·120	-4	...	...
...	45·691	+52·886	-3	...	...	...	37·613	+21·326	-5	...	...	...	28·615	-32·222	-4	...	...
...	45·211	-22·570	-4	...	...	...	37·584	-22·461	-4	...	...	...	28·582	-4·847	-3	...	...
...	44·970	+56·985	-5	...	...	...	37·442	+6·465	-3	...	...	...	28·578	-10·340	-3	...	...
...	44·931	+6·394	-5	...	...	...	37·429	-12·532	0·80	44·7235	9·9	...	28·540	+50·531	-4	...	...

93, 98. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-28.406	+47.406	0.95	43.6927	9.9	271	-21.975	+13.212	-3	...	...	331	-13.817	-30.861	-5	...	...
...	28.035	-11.969	-2	...	...	...	21.631	-43.209	-3	...	...	...	13.800	-45.055	-2	...	...
...	28.034	-3.152	-4	...	...	...	21.627	+30.843	-5	...	...	...	13.634	-30.626	-5	...	...
...	28.032	-9.802	-4	...	...	...	21.606	+38.319	-5	...	...	...	13.558	+55.932	0.75	42.6970	10.1
...	27.962	+27.688	-4	...	...	...	21.474	-21.897	-5	...	...	...	13.247	-15.663	-4	...	...
...	-27.918	+18.616	-3	...	...	...	-21.446	+1.411	-4	...	...	...	-13.126	+32.632	0.75	43.6946	10.1
...	27.809	-12.878	-4	...	...	...	21.326	+29.062	-5	...	...	...	12.907	+44.310	-5	...	...
*	27.807	-7.579	0.90	44.7245	9.8	...	21.183	-14.272	-5	...	...	...	12.718	+45.229	-4	...	...
...	27.767	+24.349	-3	...	...	...	21.027	+3.579	-5	M	...	...	12.536	-32.088	0.85	44.7258	9.9
...	27.765	+59.898	-5	...	...	...	20.927	+58.868	-4	...	...	...	12.467	-6.851	-4	...	...
221	-27.691	+49.380	-5	...	...	281	-20.846	-18.958	0.95	44.7251	9.6	341	-12.394	+31.785	-5	...	...
†	27.668	-9.660	-4	...	...	...	20.800	+37.526	-5	...	...	*	11.993	+43.469	0.90	43.6947	9.8
...	27.658	+20.429	-5	M	...	...	20.768	+16.251	-3	...	...	...	11.969	-35.670	0.65	...	...
...	27.176	+7.446	0.65	43.6928	10.2	†	20.470	+43.495	-5	...	...	...	11.840	-49.056	-1	...	...
...	26.961	+47.643	0.70	43.6929	10.2	...	20.318	+26.288	-5	...	...	*	11.717	-52.492	0.90	44.7259	9.8
...	-26.931	-20.862	-4	...	...	...	-20.255	-54.735	0.80	44.7252	9.8	*	-11.658	+24.051	0.85	43.6948	9.8
...	26.924	+9.416	-4	...	...	...	20.139	+34.082	-5	...	...	*	11.259	-52.481	0.90	44.7260	9.8
...	26.914	-55.514	-5	...	...	...	20.099	-43.739	-2	...	...	...	10.242	-11.929	-3	...	...
...	26.891	+17.706	-4	...	...	*	19.894	+3.680	1.30	43.6936	8.8	...	10.191	+15.310	-5	M	...
...	26.857	+35.472	-3	...	...	...	19.806	-40.270	-5	...	...	...	10.098	-46.454	-5	...	...
231	-26.753	+16.330	-4	...	...	291	-19.550	-26.366	-5	...	...	351	-10.097	+13.588	-5	...	...
...	26.717	+47.016	-5	...	...	...	19.546	-28.865	-5	...	...	...	9.665	+23.325	-4	...	...
...	26.660	+42.967	-5	...	...	...	19.510	+21.015	-5	M	...	...	9.656	-56.383	0.75	44.7261	9.8
...	26.534	+9.928	-5	M	...	...	19.417	-43.281	-3	...	...	*	9.485	-45.212	1.30	44.7262	9.0
...	26.493	-32.349	-5	...	...	...	19.175	-46.327	-2	...	...	...	9.484	-29.862	0.90	44.7263	9.8
*	-26.395	-1.609	0.85	43.6931	9.8	*	-18.985	+8.531	1.00	43.6937	9.2	...	-9.471	+26.737	-3	...	...
...	26.376	+9.852	0.85	43.6930	9.8	...	18.747	+27.167	-5	...	...	...	9.210	-37.746	-5	...	...
...	26.053	-32.694	0.85	44.7247	10.0	...	18.578	+23.652	0.65	...	...	...	9.173	+4.042	-5	M	...
...	26.040	+53.280	-3	...	...	...	18.481	-49.432	-5	...	...	*	8.571	+28.178	2.10	43.6949	7.8
...	25.979	-50.611	0.80	44.7246	10.1	...	18.383	-1.584	1.00	43.6938	9.0	...	8.352	-32.931	-5	...	...
241	-25.880	+48.105	-5	...	...	301	-18.257	+44.224	-4	...	...	361	-8.351	+12.021	-4	...	...
...	25.739	+22.456	-4	...	...	*	18.111	+59.065	1.50	42.6966	9.3	*	8.103	+10.949	1.40	43.6950	8.8
*	25.658	+6.849	1.10	43.6932	9.2	...	17.983	+28.566	-5	...	...	...	8.065	-6.670	-2	44.7264	10.1
...	25.566	-51.487	-5	...	...	*	17.892	+0.597	1.40	43.6939	8.8	...	7.816	+45.055	-5	...	...
...	25.045	-28.477	-5	...	...	*	17.816	-1.009	1.90	43.6940	8.2	*	7.773	-25.476	0.95	44.7265	9.8
...	-25.029	+0.835	0.65	43.6933	10.2	†	-17.789	+45.177	-1	...	...	...	-7.336	-42.812	-4	...	...
...	24.995	-43.249	-4	...	...	*	17.397	+28.559	0.90	43.6941	9.7	...	7.169	-35.000	-5	...	...
...	24.831	-3.023	-5	...	...	...	17.008	+40.976	-2	...	...	...	7.069	+30.038	-2	...	...
...	24.823	-6.631	-4	...	...	...	16.905	+36.573	0.65	...	...	...	6.767	-21.925	-4	...	...
...	24.723	+43.771	-4	...	...	...	16.853	+38.357	-1	...	...	...	6.651	-2.816	-3	...	...
251	-24.339	-5.468	-4	...	...	311	-16.352	-30.207	-5	...	...	371	-6.499	-35.809	-3	...	...
...	24.192	+6.968	0.80	43.6934	9.9	...	16.259	+7.046	0.65	...	...	*	6.482	+2.940	0.95	43.6951	9.6
...	24.181	-29.455	-4	...	...	...	16.229	-41.043	-5	...	...	...	6.316	-15.338	-5	...	...
...	24.136	-29.485	-1	44.7248	10.2	...	16.228	+34.483	0.80	43.6942	10.2	...	6.237	-32.642	-3	...	...
...	23.656	+44.842	-3	...	...	...	16.068	-33.950	0.75	44.7255	10.1	...	5.969	+18.358	-2	...	...
n*	-23.648	+59.162	2.80	42.6963	7.3	...	-15.595	-48.848	-4	...	...	...	-5.817	-31.424	0.75	44.7266	10.0
...	23.547	+25.057	-5	M	...	...	15.070	-51.846	0.65	...	...	...	5.731	+36.905	-4	...	...
n*	23.511	+59.292	1.90	42.6963	7.3	n*	15.045	+13.396	3.20	43.6944	7.2	...	5.644	+13.206	0.65	43.6952	10.1
...	23.469	-31.454	-4	...	...	...	14.962	-22.838	-2	...	...	S †	5.605	+53.176	3.95	43.6953	6.8
...	23.181	+32.372	-1	...	...	n*	14.902	+13.579	1.00	43.6944	7.2	†	5.544	+49.969	0.85	43.6954	9.7
261	-23.166	+11.883	1.10	43.6935	9.6	321	-14.822	-4.540	1.00	43.6943	9.2	381	-5.400	-24.042	-4	...	...
...	22.986	-51.033	-3	...	...	...	14.800	-11.140	0.80	44.7256	10.0	*	5.275	-6.509	1.05	44.7267	9.4
...	22.710	+6.881	-3	...	...	...	14.761	+54.472	-2	...	...	...	5.211	+26.107	-4	...	...
...	22.658	-50.243	-5	...	...	...	14.716	-18.741	-3	...	...	...	5.139	-48.063	-4	...	...
...	22.588	-20.781	0.65	44.7249	10.2	...	14.660	+35.303	-5	...	...	...	5.051	+44.626	-2	...	...
...	-22.456	+52.066	-3	...	...	...	-14.475	-29.266	-5	...	...	...	-4.577	+4.212	-4	...	...
...	22.389	+12.511	-4	...	...	...	14.207	-12.765	-4	...	...	...	4.461	+20.644	-4	...	...
...	22.347	-21.049	-5	...	...	...	14.171	+40.303	-5	...	...	...	4.351	-5.902	-5	m	...
*	22.299	-19.898	0.85	44.7250	9.9	†	14.145	+40.099	1.00	43.6945	9.2	...	4.017	-52.999	-4	...	...
...	22.024	+29.801	-5	M	...	...	13.834	-0.149	-3	...	...	...	3.980	-5.566	-5	m	...

256, 258. C.P.D., mass.

318, 320. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
391	- 3.887	- 50.115	- 4	...	...	451	+ 4.715	- 24.569	1.00	...	...	511	+ 15.817	- 38.144	- 5	...	...
...	3.815	+ 7.311	- 4	...	...	...	4.720	- 11.390	- 4	m	...	...	15.896	+ 31.353	- 5	...	...
...	3.532	+ 59.193	- 5	...	...	...	4.831	- 26.120	- 4	...	...	...	16.135	+ 36.526	- 3	...	...
*	3.430	- 2.325	0.95	43.6955	9.7	*	5.060	- 44.130	1.00	44.7274	9.4	...	16.182	+ 37.595	- 4	...	...
...	3.288	+ 16.471	- 1	43.6956	10.2	...	5.104	- 44.735	- 4	...	...	...	16.409	+ 43.562	- 3	43.6973	10.1
...	- 3.262	- 50.508	- 3	...	...	...	+ 6.498	- 48.726	- 3	...	...	...	+ 16.859	- 21.587	- 5	m	...
...	3.031	+ 44.387	- 4	...	...	...	6.684	+ 7.327	- 3	...	...	...	16.869	+ 23.158	- 5	...	...
...	2.897	+ 10.453	- 5	M m	...	...	6.747	+ 33.764	1.40	43.6966	8.6	S *	17.443	- 48.438	1.55	44.7287	8.6
S *	2.799	- 7.942	2.45	44.7268	7.6	...	7.055	- 11.456	- 4	m	...	...	17.446	- 28.670	1.30	44.7286	9.0
*	2.660	+ 31.686	0.90	43.6958	9.7	...	7.716	- 9.888	- 3	...	...	...	17.541	+ 51.044	0.80	43.6974	10.1
401	- 2.595	+ 25.199	2.30	43.6957	7.7	461	+ 7.750	+ 18.340	- 3	...	...	521	+ 17.639	+ 41.961	- 4	...	...
S †	2.552	- 10.566	- 5	m	...	...	7.764	+ 34.048	- 1	...	...	...	18.014	+ 10.127	- 5	m	...
...	2.314	+ 46.138	- 4	...	...	...	7.917	+ 35.943	- 5	m	...	...	18.061	- 0.160	- 5	m	...
...	2.272	- 49.269	- 3	...	...	...	8.052	- 34.204	- 1	...	...	†	18.091	+ 10.239	- 5	m	...
*	2.205	+ 30.930	1.95	43.6959	8.0	*	8.085	+ 54.158	1.00	43.6967	9.6	*	18.099	+ 44.892	1.50	43.6975	9.0
...	- 1.662	- 17.060	- 5	m	...	...	+ 8.248	- 41.137	0.95	44.7276	9.6	...	+ 18.269	+ 34.840	- 3	...	...
...	1.415	+ 43.438	- 4	...	...	...	8.272	+ 42.734	- 3	...	...	*	18.412	+ 44.159	1.15	43.6976	9.4
...	1.329	+ 46.195	- 4	...	...	S *	8.476	+ 59.136	1.80	42.6986	8.2	...	18.484	- 18.693	- 4	...	...
...	1.217	+ 14.921	- 5	m	...	...	8.490	+ 13.750	- 5	m	...	...	18.582	+ 23.622	1.15	43.6977	9.2
...	1.162	+ 43.463	0.80	43.6960	10.0	...	8.933	+ 8.181	0.65	...	...	...	18.604	- 2.156	- 3	...	...
411	- 1.152	- 37.416	0.95	44.7269	9.8	471	+ 9.002	+ 12.249	- 1	...	...	531	+ 18.654	+ 26.189	1.00	43.6978	9.4
*	0.949	+ 0.746	2.00	43.6961	7.8	...	9.068	+ 55.507	0.70	42.6987	10.1	...	18.713	- 11.378	- 4	...	...
*	0.796	+ 51.246	1.00	43.6962	9.6	...	9.342	+ 36.056	- 5	m	...	...	18.771	+ 28.256	- 5	...	...
...	0.676	- 8.211	- 2	...	...	†	9.480	- 30.677	- 4	...	...	...	18.785	+ 30.632	- 5	...	...
...	0.635	- 45.272	0.80	44.7270	10.1	...	9.714	- 33.774	- 4	...	...	...	18.862	+ 2.709	- 4	...	...
...	- 0.299	+ 31.390	- 4	m	...	...	+ 9.763	- 33.889	- 4	44.7277	10.2	...	+ 18.981	- 32.710	- 5	...	...
...	- 0.075	+ 52.636	- 5	m	...	...	9.805	- 20.208	- 4	...	...	...	19.365	+ 19.174	- 5	...	...
...	+ 0.100	+ 45.367	- 5	M m	...	...	9.852	+ 46.192	0.80	43.6968	9.9	*	19.699	+ 46.232	0.95	43.6979	9.6
...	0.350	- 16.244	- 4	...	...	†	9.865	+ 45.198	- 4	m	...	...	19.824	- 23.428	0.80	44.7288	10.0
...	0.529	+ 34.574	0.65	...	...	...	9.939	+ 11.596	- 5	...	...	...	19.980	+ 37.265	- 4	...	...
421	+ 0.652	+ 25.763	- 1	...	...	481	+ 10.349	- 39.231	- 3	...	...	541	+ 20.277	+ 38.279	- 1	43.6981	10.2
...	0.940	- 6.195	- 2	...	...	...	10.541	- 2.758	- 5	m	...	...	20.301	+ 33.020	0.70	43.6980	10.2
...	1.022	+ 21.500	0.70	43.6963	9.9	...	10.849	- 40.140	0.75	44.7279	10.1	...	20.471	- 17.895	- 1	...	...
...	1.218	- 10.041	- 1	44.7271	10.2	...	10.997	- 2.306	- 4	...	...	...	20.519	+ 38.511	- 3	...	...
*	1.312	+ 33.450	0.85	43.6964	9.8	*	11.108	- 34.908	1.15	44.7280	9.6	...	20.529	- 40.468	- 5	...	...
...	+ 1.335	- 8.557	- 3	...	...	...	+ 11.353	- 24.883	- 4	...	...	...	+ 20.714	+ 5.840	0.70	...	...
...	1.432	+ 38.909	- 3	...	...	...	11.545	+ 1.032	- 2	43.6970	10.2	*	20.755	+ 42.338	1.60	43.6982	8.8
*	1.635	- 33.865	0.90	44.7272	9.6	...	11.670	+ 54.091	- 5	...	...	...	21.079	- 48.482	- 4	...	...
...	1.779	- 27.933	- 4	...	...	...	11.748	+ 40.053	- 2	43.6969	10.2	...	21.563	+ 37.973	- 1	...	...
...	2.175	+ 46.542	- 5	M m	...	...	12.166	- 11.015	- 5	m	...	...	21.580	- 55.745	- 4	...	...
431	+ 2.229	- 20.197	0.65	...	...	491	+ 12.298	+ 15.853	- 4	...	...	551	+ 21.689	+ 27.605	0.75	...	...
...	2.305	+ 32.963	- 2	...	...	...	12.353	- 40.587	0.65	44.7281	10.2	...	21.727	- 2.849	0.70	43.6983	10.2
...	2.771	+ 22.937	- 2	...	...	...	12.440	+ 23.564	1.10	43.6971	9.2	...	21.731	- 23.032	- 1	...	...
...	2.961	- 43.127	- 1	...	...	S *	12.776	+ 21.149	1.20	43.6972	9.0	...	21.936	- 53.992	- 5	m	...
...	3.175	+ 15.575	- 3	M	...	...	12.815	- 50.278	- 4	...	...	...	22.103	+ 59.121	- 5	...	...
...	+ 3.357	- 21.316	- 4	...	...	...	+ 12.816	- 37.362	- 5	m	...	...	+ 22.164	+ 6.009	- 5	...	...
...	3.745	- 4.654	- 3	m	...	...	13.150	- 44.674	- 5	m	...	...	22.190	+ 9.192	0.70	43.6984	10.2
*	3.863	+ 55.661	1.10	42.6984	9.8	...	13.282	+ 57.741	- 3	...	...	...	22.226	- 32.348	0.65	...	...
...	3.890	+ 34.771	- 3	...	...	...	13.323	+ 30.274	- 3	...	...	...	22.245	+ 4.222	- 5	m	...
...	3.953	+ 54.559	- 4	...	...	...	13.460	- 22.349	- 3	...	...	...	22.272	- 33.388	1.00	44.7289	9.2
441	+ 3.980	+ 26.399	- 5	M m	...	501	+ 13.797	+ 21.353	- 3	...	...	561	+ 22.333	- 53.841	- 5	...	...
...	4.136	+ 21.268	- 3	...	...	...	14.010	+ 10.155	- 4	m	...	...	22.352	- 18.916	0.65	...	...
*	4.169	+ 14.436	0.90	43.6965	9.6	S *	14.765	- 8.529	1.20	44.7282	9.0	...	22.388	+ 42.035	- 5	...	...
...	4.235	+ 25.555	- 1	...	...	...	15.095	- 25.573	1.40	44.7283	9.0	...	22.523	+ 30.864	- 1	...	...
...	4.264	+ 21.995	- 1	...	...	...	15.119	- 36.084	1.05	44.7284	9.4	...	22.772	- 8.930	- 3	...	...
...	+ 4.292	- 22.440	- 4	...	...	...	+ 15.277	- 56.571	- 4	...	...	...	+ 23.029	- 3.328	- 5	m	...
...	4.390	- 18.133	- 5	m	...	...	15.434	- 1.393	- 4	...	...	...	23.036	- 38.592	0.75	44.7290	10.1
†	4.433	- 23.618	- 5	...	...	...	15.588	- 30.229	- 5	...	...	†	23.094	- 50.177	- 2	43.6985	10.2
†	4.484	- 46.612	- 3	...	...	...	15.722	- 46.821	0.65	44.7285	10.2	*	23.319	- 8.094	1.10	44.7291	9.0
...	4.678	- 17.296	- 5	m	...	...	15.787	+ 39.233	- 5	...	...	...	23.552	+ 32.726	- 2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
571-630						631-690						691-750						
571	+23.982	-45.341	-2	o	...	631	+33.308	+55.020	-5	o	...	691	+42.410	+29.579	1.00	o	43.7005	9.6
...	24.127	-6.556	-4	...	...	...	33.545	+20.980	-4	...	...	...	42.462	-29.815	0.65	...	44.7317	10.1
...	24.308	-56.518	-4	...	...	...	33.646	+44.974	-1	43.6994	10.1	...	42.526	-26.610	1.30	...	44.7316	8.6
...	24.322	+36.355	-5	...	...	...	33.870	+38.041	-4	...	...	...	42.538	-33.117	-4	...	...	...
...	24.726	-41.211	-3	...	...	...	33.982	-6.884	-4	m	...	...	42.578	-51.442	-1	...	44.7318	10.1
*	+25.100	-34.040	0.95	44.7293	9.6	...	+33.987	-2.345	0.85	43.6995	9.6	...	+42.811	+31.746	-5	...	...	...
...	25.212	+28.790	-4	...	...	...	34.022	+50.427	-4	...	...	...	42.999	-31.286	-5	...	...	...
...	25.397	-50.292	0.95	44.7294	9.7	...	34.131	-27.607	0.65	44.7306	10.0	...	43.633	-52.980	-5	...	...	...
...	25.431	+50.950	-3	...	...	*	34.140	-30.924	1.60	44.7304	9.0	...	43.645	-44.900	0.80	44.7320	9.8	...
...	25.530	+59.916	0.65	...	...	*	34.182	-21.933	1.00	44.7305	9.4	...	43.738	+7.783	1.15	43.7006	8.9	...
581	+25.560	+48.928	1.15	43.6986	9.0	641	+34.372	+43.043	-3	43.6996	10.2	701	+43.798	+15.146	-4	...	...	...
*	25.658	-0.871	0.65	...	...	†	34.578	-5.284	-3	...	...	...	44.034	+9.089	-5	m	...	...
...	25.734	-47.306	-1	...	...	...	35.194	+52.252	-1	43.6997	10.1	...	44.072	+14.194	0.80	43.7008	9.8	...
...	25.831	+19.099	-5	...	...	...	35.276	-19.468	-3	...	...	*	44.093	+29.134	0.80	43.7007	9.8	...
...	25.957	+36.873	-5	...	...	...	35.340	+53.681	-1	43.6998	10.2	*	44.164	-15.742	1.10	44.7321	9.0	...
*	+26.266	-42.079	0.95	44.7295	9.6	...	+35.375	-38.476	-1	44.7307	10.2	...	+44.261	-9.904	-3	...	...	...
...	26.681	+7.092	-5	m	...	...	35.378	-55.110	-4	44.7308	10.2	...	44.622	+51.767	-5	...	...	...
...	26.706	-15.915	-5	m	...	...	35.544	+24.721	-5	...	...	*	44.981	-13.175	1.05	44.7322	9.0	...
*	26.874	+13.625	0.90	43.6987	9.6	*	35.704	+16.760	0.95	43.6999	9.6	...	45.033	+8.212	-5	...	...	...
...	27.089	-32.084	0.75	44.7296	10.1	...	36.063	-58.386	-5	...	...	*	45.603	-4.997	0.85	43.7011	9.8	...
591	+27.177	-24.413	0.70	...	...	651	+36.075	-6.727	-5	m	...	711	+45.988	+45.197	0.75	43.7010	9.9	...
...	27.600	-8.286	-5	m	...	...	36.203	-30.612	-3	...	...	†	46.116	+52.584	1.60	43.7009	9.0	...
...	27.684	+23.638	-4	...	...	...	36.244	-36.316	-3	...	...	*	46.264	+30.551	1.05	43.7012	9.4	...
...	27.730	+15.696	-5	m	...	...	36.572	+1.786	-5	...	...	...	46.453	+14.193	-5	...	...	...
...	28.008	-28.773	-1	...	...	...	36.818	+5.175	-5	m	...	...	46.694	-32.270	-4	...	...	...
...	+28.020	+16.281	-1	...	...	...	+36.933	+28.503	-3	...	...	...	+47.073	-22.293	-4	...	...	...
*	28.132	+19.015	0.90	43.6988	9.8	...	37.123	+45.637	-3	43.7000	10.2	...	47.167	+14.180	0.70	...	...	...
...	28.158	+55.546	0.65	...	...	...	37.175	-53.676	-3	44.7309	10.2	...	47.234	-29.980	-5	...	...	...
...	28.349	+39.302	-2	...	...	*	37.202	+44.633	1.05	43.7001	9.4	...	47.292	+19.700	0.65	43.7013	10.2	...
...	28.353	+52.551	-5	...	...	...	37.754	+59.288	-5	...	...	...	47.872	+22.344	-5	...	...	...
601	+28.540	+35.646	-5	...	...	661	+38.260	-8.890	-5	m	...	721	+48.442	+11.318	0.75	43.7015	10.0	...
*	28.557	+45.292	1.00	43.6989	9.4	...	38.342	+20.786	-4	...	...	...	48.473	+8.347	0.70	43.7014	9.9	...
...	28.631	-28.617	0.75	44.7297	10.1	...	38.442	-28.019	-5	m	...	...	48.712	-17.998	-3	...	...	...
...	28.684	-48.743	0.85	44.7298	9.4	...	38.665	-24.014	-5	m	...	...	48.818	-33.499	0.65	...	...	...
...	28.736	-31.494	-5	m	...	...	39.063	-38.751	0.80	44.7310	10.0	...	48.829	+16.299	-2	...	...	...
...	+28.835	-25.356	0.65	44.7299	10.2	...	+39.147	+17.269	-4	...	...	...	+48.943	+13.796	-5	...	...	...
*	28.849	+23.787	1.00	43.6990	9.4	†	39.379	-30.880	-4	...	...	...	48.967	+5.183	-5	e	...	...
...	29.072	-28.344	-5	m	...	*	39.565	+52.425	1.10	43.7002	9.7	...	49.052	-18.453	-5	...	...	...
...	29.228	+15.651	-1	...	...	*	39.740	+3.122	1.40	43.7004	8.6	...	49.162	+1.221	-4	e	...	...
...	29.285	+2.934	-3	a	...	*	39.882	-12.746	0.90	44.7311	9.6	*	49.163	-9.341	1.10	44.7323	9.2	...
611	+29.707	-0.850	0.90	43.6991	9.8	671	+39.908	+41.097	1.60	43.7003	8.5	731	+49.168	-30.424	0.75	44.7324	9.8	...
*	29.897	-51.078	1.60	44.7300	8.7	S*	40.067	-31.114	-5	m	...	...	49.619	+20.621	0.85	43.7016	10.0	...
...	30.004	+36.194	-4	...	...	...	40.467	-18.603	-3	...	...	...	49.777	-16.243	-5	...	...	...
...	30.713	-50.011	-4	...	...	...	40.546	+50.944	-3	...	...	*	50.245	-49.915	1.10	44.7325	9.6	...
...	30.781	+46.723	-3	...	...	...	40.747	-42.415	-5	m	...	S*	50.972	-34.957	3.20	44.7326	7.4	...
...	+30.782	+51.450	-5	...	...	...	+40.751	+24.000	-4	...	...	*	+50.999	-37.488	1.15	44.7327	9.6	...
...	30.980	+26.066	-5	...	...	...	40.851	+27.778	-5	...	...	...	51.083	+11.759	-5	...	...	...
...	31.015	+34.360	-4	...	...	...	40.974	+31.443	-5	...	...	...	51.162	+44.880	-5	...	...	...
...	31.405	+0.600	-4	...	...	...	41.053	-23.942	0.65	44.7313	10.2	...	51.211	+31.200	-4	...	...	...
...	31.920	-19.914	-5	m	...	...	41.117	-19.852	-2	...	...	...	51.316	+31.252	-5	...	...	...
621	+32.014	+18.871	0.75	43.6992	9.9	681	+41.117	-47.510	0.75	44.7315	10.0	741	+51.500	+28.243	-5	...	...	...
...	32.148	+31.919	-4	...	...	...	41.192	+18.110	0.65	...	...	...	51.549	+42.194	-4	...	...	...
...	32.543	+41.572	-5	...	...	...	41.424	+26.078	-5	m	...	*	51.643	+7.213	1.20	43.7017	9.2	...
...	32.569	+21.587	-4	...	...	...	41.563	-31.812	-5	m	...	...	52.026	+50.452	-5	...	...	...
...	32.587	-48.341	-1	44.7301	10.1	...	41.640	+3.587	-1	...	...	...	52.196	-31.933	0.80	44.7328	9.8	...
...	+32.719	-1.878	-4	m	...	...	+41.744	+49.365	-1	...	...	...	+52.262	+8.197	0.90	43.7018	9.8	...
...	33.026	+42.402	-5	...	...	...	41.904	-15.729	-2	...	...	...	52.389	+17.757	-5	...	...	...
*	33.039	-36.355	1.00	44.7302	9.6	...	41.964	-21.024	-5	m	...	...	52.598	-6.401	-4	...	...	...
...	33.199	+51.880	-5	...	...	...	42.016	-3.264	-4	...	...	...	52.608	-25.449	0.95	44.7329	9.8	...
...	33.204	+51.770	0.65	43.6993	10.1	...	42.075	+5.181	-5	...	...	...	52.629	+0.539	-4	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
751-770						771-785											
751	+52'791	-28'994	-5	...	...	771	+56'721	-21'739	-5	...	...	...		
...	53'110	+2'451	1'20	43.7020	9'2	...	56'728	-54'268	-4	44.7334	10'2	...					
*	53'324	-22'314	-5	...	...	*	56'970	+17'280	1'40	43.7022	9'0	...					
...	53'414	+39'384	-5	...	...	†	57'334	+40'150	-3	43.7023	10'2	...					
*	53'558	+47'259	1'05	43.7019	9'6	...	57'384	+13'039	-4	...	...	...		
...	+54'150	-37'017	-2	44.7331	10'1	...	+57'524	+27'191	-5	...	...	...		
...	54'185	+1'371	-4	...	...	...	57'555	+11'008	-4	...	...	...		
*	54'224	-13'228	1'10	44.7330	9'6	...	58'064	-27'992	-4	...	...	...		
†	54'433	-22'209	1'15	44.7332	9'2	...	58'118	+38'731	-2	43.7024	10'2	...					
†	55'297	-29'572	-4	...	...	...	58'237	-6'519	-3	...	...	...		
761	+55'345	+19'703	-5	e	...	781	+58'337	+9'902	-5	...	...	...		
...	55'397	-4'082	-5	e	...	...	58'426	+11'115	-3	43.7025	10'2	...					
*	55'416	-16'614	1'10	44.7333	9'4	...	58'731	+1'150	-4	...	...	...		
...	55'697	+52'827	-5	...	...	*	58'883	-12'513	1'10	44.7335	9'4	...					
†	55'782	+10'320	1'00	43.7021	9'6	†	59'333	-40'155	1'15	44.7336	9'4	...					
...	+55'831	-49'086	-4	...	...	...						...
...	56'022	-15'921	-4	...	...	...						...
...	56'131	+33'533	-5	e	...	...						...
...	56'541	-29'039	-5	...	...	...						...
...	56'675	+19'116	-5	...	...	...						...

1-30						31-60						61-90					
I						31						61					
†	-60'178	-22'500	-5	...	...	S*	-55'872	-35'033	3'80	44.7326	7'4	*	-51'478	+17'363	1'80	43.7022	9'0
...	59'836	+11'127	0'90	43.7015	10'0	*	55'806	+47'205	1'15	43.7019	9'6	...	51'431	-15'850	-4	...	...
...	59'773	-30'176	-5	...	...	*	55'798	-37'564	1'30	44.7327	9'6	...	51'228	+27'278	-5	...	...
*	59'706	+8'161	0'95	43.7014	9'9	...	55'712	+39'335	-4	...	...	...	50'987	+38'825	0'80	43.7024	10'2
...	59'595	+16'121	-3	...	...	†	55'333	+0'495	-3	...	...	...	50'945	+13'134	-2	...	...
...	-59'402	+13'629	-5	...	...	...	-55'130	-6'452	-2	...	...	...	-50'722	+11'108	-4	...	...
...	59'114	+5'028	-5	E	...	*	54'887	+2'408	1'50	43.7020	9'2	...	50'608	-48'986	-3	...	...
...	58'922	+20'474	0'90	43.7016	10'0	...	54'762	-31'976	0'90	44.7328	9'8	...	50'562	-21'644	-4	...	...
...	58'799	+1'067	-3	E	...	*	54'544	-25'493	1'00	44.7329	9'8	...	50'514	-28'949	-5	...	...
...	58'672	-18'158	-3	...	...	...	54'451	+22'600	-5	...	...	...	50'327	-57'066	-4	...	...
II						41						71					
...	-58'565	+49'103	-4	...	...	...	-54'384	+25'376	-5	...	...	...	-50'200	+13'762	-5	...	...
*	58'478	-9'490	1'50	44.7323	9'2	...	54'265	-29'018	-4	...	...	...	50'170	+22'101	-5	...	...
...	58'325	-18'598	-4	...	...	...	53'931	-22'335	-4	...	...	...	49'909	+10'020	-3	...	...
...	58'116	+44'754	-4	...	...	...	53'835	+52'846	-4	...	...	...	49'849	+11'235	0'70	43.7025	10'2
...	58'097	-33'645	0'65	...	...	...	53'785	+1'359	-3	...	...	...	49'849	+11'235	0'70	43.7025	10'2
...	-57'839	+4'324	-4	...	...	...	-53'627	+37'098	-5	...	...	...	49'638	+58'834	1'40	42.7021	9'8
*	57'824	-30'567	1'00	44.7324	9'8	*	53'306	-13'220	1'20	44.7330	9'6	...	-49'549	-54'158	-1	44.7334	10'2
...	57'682	+31'088	-4	...	...	...	53'170	+19'731	-4	E	...	...	49'498	-53'332	-5	...	...
...	57'664	+42'096	-3	...	...	...	52'896	-56'449	-5	...	...	...	49'493	-6'397	0'65	...	...
...	57'658	-16'364	-4	...	...	...	52'822	+33'572	-5	E	...	...	49'491	-25'956	-4	M	...
21						51						81					
...	-57'559	+31'148	-5	...	...	*	-52'820	-22'179	1'50	44.7332	9'2	...	-49'202	+39'664	-1	...	...
...	57'373	+39'329	-5	...	...	...	52'777	+43'623	-5	...	...	...	49'026	-27'860	-2	...	...
...	57'279	+28'152	-5	...	...	...	52'650	-36'999	0'75	44.7331	10'1	...	48'986	+35'418	-5	...	...
...	57'198	+11'662	-4	...	...	...	52'457	+10'350	1'05	43.7021	9'6	...	48'888	-21'814	-4	...	...
...	57'157	+35'882	-5	M	...	...	52'413	-4'038	-4	E	...	...	48'669	-12'368	1'00	44.7335	9'4
...	-56'877	+3'350	-5	M	...	*	-52'025	-16'559	1'50	44.7333	9'4	...	-48'651	-33'024	-2	...	...
*	56'506	+7'132	1'40	43.7017	9'2	...	51'830	+19'176	-4	...	...	...	48'409	-58'582	-3	...	...
*	56'164	-50'004	1'50	44.7325	9'6	...	51'810	+40'235	-1	43.7023	10'2	...	48'305	-8'387	-4	M	...
...	56'078	+17'705	-5	...	...	...	51'741	-29'524	-3	...	...	...	48'068	+22'222	-1	...	...
*	55'914	+8'142	0'95	43.7018	9'8	...	51'698	-12'820	-4	M	...	...	48'063	-51'218	-4	...	...

MC measured from 1, 171, 322, 465, 501, 742.
 LB " " 71, 237, 303, 524, 660, 814.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-48°013	-2°158	1.10	43.7026	9.2	151	-42°086	-37°409	-5	M	...	211	-33°489	-49°383	-4	...	...
...	47°952	+36°635	-1	...	...	...	41°826	+52°001	-5	...	...	...	33°162	+48°829	-4	...	...
...	47°928	+4°900	-4	M	...	...	41°813	+31°430	-1	...	...	...	33°143	-12°200	0.75	44.7360	10.2
...	47°898	+13°181	-5	M	...	...	41°777	-25°849	-5	M	...	...	33°032	-56°200	-5	M	...
...	47°891	-8°670	-3	...	...	...	41°709	-54°408	-2	...	...	...	33°021	+20°785	-5	M	...
...	-47°492	+36°568	0.80	...	...	...	-41°680	-42°300	-1	...	...	...	-32°932	+11°607	0.70	43.7047	10.2
†	47°484	+0°236	-4	...	...	...	41°666	+57°494	-1	...	...	...	32°634	-0°193	-5	M	...
*	47°373	-39°975	1.30	44.7336	9.4	...	41°647	-28°131	0.75	44.7346	9.8	...	32°555	-25°068	-5	M	...
†	47°249	-14°771	-5	M	...	S*	41°591	-28°065	-4	M	...	...	32°535	+48°771	-3	...	...
...	47°173	+11°559	-4	...	...	161	41°532	+35°386	1.70	43.7037	8.8	...	32°304	-39°451	-1	44.7361	10.2
101	-47°127	+20°830	0.75	43.7027	10.2	...	-41°371	+14°997	-5	M	...	221	-32°214	-21°623	-4	...	...
...	47°126	-32°516	-1	...	...	...	41°133	-4°654	-4	...	...	...	31°800	-35°835	-4	...	...
...	46°900	-19°219	0.85	44.7337	9.8	*	40°887	-47°979	1.30	44.7347	9.2	†	31°764	-54°679	0.80	44.7362	9.8
...	46°817	-33°434	-5	M	...	...	40°843	-35°098	0.85	44.7348	10.0	...	31°680	-3°863	-4	...	...
...	46°612	+43°462	0.70	43.7028	10.2	...	40°830	+27°182	-4	...	...	...	31°669	+9°439	-4	...	...
...	-46°150	+1°444	-5	M	...	...	-40°580	+11°281	0.70	...	...	...	-31°559	+25°954	-2	...	...
...	46°141	+29°428	0.80	43.7032	10.2	†	40°334	+48°739	-5	...	...	*	31°523	-36°034	1.80	44.7363	8.8
...	46°128	+37°521	-2	...	...	†	40°314	+28°632	-5	...	...	...	31°422	+46°546	-5	...	...
...	46°097	-16°009	0.70	44.7339	10.2	†	40°309	+51°953	1.20	43.7039	9.4	...	31°302	-26°205	-4	...	...
*	46°043	+55°340	1.70	42.7022	9.2	†	40°301	+44°492	1.00	43.7038	9.7	...	31°211	+48°234	-2	...	...
111	-45°997	+20°072	0.90	43.7031	9.7	171	-40°233	-39°093	-3	...	...	231	-31°000	+31°088	1.05	43.7048	9.6
*	45°769	-45°723	1.20	44.7338	9.4	†	39°827	-29°666	-4	...	...	†	30°861	-49°611	-4	...	...
*	45°606	+39°261	0.90	43.7033	9.8	...	39°776	+15°266	-4	...	...	...	30°761	+14°999	-4	...	...
S*	45°571	+3°740	3.15	43.7030	7.3	*	39°696	+44°150	1.10	43.7040	9.6	...	30°637	+37°254	-5	...	...
*	45°556	+2°232	1.00	43.7029	9.4	...	39°503	-33°294	-5	...	...	*	30°483	-41°155	0.90	44.7364	9.8
...	-45°446	-46°416	-5	M	...	...	-39°128	+34°182	-4	...	...	...	-30°439	-29°081	-3	...	...
...	45°348	+15°744	-3	...	...	...	39°089	-16°037	-5	M	...	...	30°102	-52°758	-1	44.7365	10.2
†	45°243	-22°691	-4	...	...	...	38°897	-23°384	-4	M	...	...	29°873	-36°631	0.85	...	...
*	45°194	+45°333	0.95	43.7034	9.8	S*	38°778	-33°926	1.80	44.7349	8.7	...	29°752	+46°063	-2	...	...
...	44°779	-54°833	-5	M	...	*	38°716	-23°975	1.30	44.7350	9.0	...	29°747	-9°461	-5	M	...
121	-44°634	+28°344	-5	...	...	181	-38°421	+18°225	0.70	43.7041	10.2	241	-29°680	+13°704	-5	M	...
...	44°576	+9°735	0.70	...	...	...	38°170	+20°728	-3	...	...	...	29°527	+57°065	0.90	42.7030	10.1
...	44°508	-47°661	-3	...	...	...	38°091	+21°593	-2	...	...	...	29°441	+12°165	-5	M	...
...	44°482	+15°808	-5	...	...	...	37°803	-3°169	-4	M	...	...	29°171	-20°865	-2	...	...
...	44°217	-23°414	0.75	44.7341	10.1	*	37°783	-40°452	1.00	44.7351	9.8	...	29°096	-6°605	-4	M	...
n*	-44°122	-20°040	6.00	44.7342	4.2	...	-37°710	+52°107	-2	...	...	...	-29°072	-2°909	-3	M	...
...	44°110	-56°615	-1	44.7340	10.2	...	37°417	+57°457	-3	...	...	...	28°996	-12°503	-5	M	...
...	44°096	+26°911	-4	...	...	*	37°270	-26°245	1.30	44.7352	9.2	...	28°823	-54°232	-4	...	...
Nu*	44°049	-20°503	*	44.7342	4.2	*	37°265	-19°379	1.00	44.7353	9.8	...	28°618	+16°459	0.75	...	...
...	44°033	+58°136	-3	...	...	...	36°945	+52°061	-3	...	...	...	28°541	-8°228	-4	M	...
131	-43°973	-24°053	-5	M	...	191	-36°448	-32°149	-2	...	...	251	-28°172	+11°223	1.00	43.7049	9.6
...	43°943	-9°209	-1	A	...	...	36°173	+59°571	1.00	42.7026	10.0	...	28°135	-43°818	-5	M	...
...	43°897	+19°060	-1	...	...	*	36°128	+44°319	0.95	43.7044	9.8	...	27°865	+14°772	-3	...	...
...	43°869	+1°952	-4	M	...	...	36°002	-12°546	-4	M	...	...	27°865	+10°053	-5	M	...
...	43°779	+2°512	-5	M	...	...	35°976	+21°349	-4	...	...	...	27°851	-5°579	0.70	...	...
...	-43°628	-26°033	0.70	44.7344	10.2	...	-35°837	+16°725	0.65	43.7043	10.2	...	-27°785	-41°588	-2	...	...
*	43°536	+37°439	1.05	43.7036	9.6	*	35°784	+15°404	1.00	43.7042	9.4	...	27°773	+21°861	-5	M	...
...	43°462	+13°745	0.90	43.7035	9.8	...	35°752	+19°851	-4	...	...	...	27°744	+49°244	-1	...	...
...	43°400	+17°622	-4	...	...	...	35°515	-51°352	-3	44.7354	10.2	...	27°683	-8°779	-5	M	...
...	43°358	-57°157	0.75	44.7343	10.0	...	35°003	-49°754	-3	44.7355	9.9	...	27°620	-42°397	-4	M	...
141	-43°345	+22°152	-3	...	...	201	-34°661	-0°692	-5	M	...	261	-27°562	+13°252	-5	M	...
...	43°208	+5°170	-5	M	...	...	34°555	+27°161	0.85	43.7045	9.9	...	27°510	+26°122	-4	...	...
...	43°144	+33°972	-4	...	...	*	34°457	-28°598	0.90	44.7356	9.8	...	27°458	-16°190	-3	...	...
...	42°965	+5°004	-5	M	...	...	34°327	-36°867	-5	M	...	*	27°223	-56°520	1.30	44.7366	9.2
...	42°946	-22°509	0.70	...	...	...	33°975	-38°209	0.75	44.7357	10.0	...	27°176	-22°772	0.65	...	...
...	-42°903	+56°326	1.10	42.7023	9.8	...	-33°721	-31°392	-2	...	...	...	-26°911	+16°581	0.65	...	...
*	42°537	-7°278	0.90	44.7345	9.9	...	33°671	+41°735	-3	...	...	...	26°785	-29°816	0.65	...	...
...	42°317	-1°480	-4	M	...	*	33°656	+32°345	1.60	43.7046	9.0	...	26°747	-45°170	-3	...	...
...	42°251	+36°772	0.65	...	...	*	33°616	-40°236	1.20	44.7359	9.4	...	26°715	+35°337	-5	M	...
...	42°223	-14°098	-1	...	...	...	33°559	-51°720	0.85	44.7358	10.0	...	26°704	-54°299	-5	...	...

126, 129. C.P.D., mass.

129. 1st and 2nd images obscured by 2nd and 3rd images of 126; 3rd image measured and corrected. Mag. in U.A., 9.0.

Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-330						331-390						391-450					
271	-26.555	-55.368	-4	...	...	331	-19.451	+56.940	-5	...	...	391	-10.483	+27.622	0.95	43.7070	9.7
...	26.463	+11.232	-1	...	...	...	19.366	+7.316	1.40	43.7064	9.2	...	10.443	+52.209	-4	...	...
...	26.368	-48.640	-1	...	...	...	18.988	+45.477	-5	M	...	...	9.638	+48.373	-3	...	...
...	26.352	-40.900	-2	...	...	...	18.721	-36.772	-5	M	...	...	9.280	-54.882	-5	M	...
...	26.193	-57.037	-5	...	...	...	18.708	+41.674	-4	...	...	...	9.239	-21.882	-5	M	...
*	-26.135	+7.425	1.00	43.7050	9.7	*	-18.462	-30.621	1.05	44.7370	9.6	...	-9.120	-10.006	-2	...	...
...	25.927	-59.189	-5	...	...	*	18.399	-9.128	0.95	44.7371	9.8	...	8.949	-46.927	-4	...	...
...	25.853	-35.074	-5	M	...	...	18.373	+59.758	-5	...	...	...	8.943	-40.058	0.80	44.7379	10.1
...	25.759	+33.363	-4	M	...	...	18.346	+45.753	-5	M	...	*	8.913	+47.080	0.90	43.7071	9.8
...	25.727	+45.708	0.95	43.7051	9.8	*	18.256	+49.528	1.10	43.7065	9.6	...	8.694	+27.956	-5	M	...
281	-25.421	+8.677	-4	M	...	341	-18.189	+37.585	-4	...	...	401	-8.647	-47.731	0.75	44.7380	10.2
...	25.197	-37.266	-5	M	...	...	18.163	+53.836	-4	...	...	...	8.643	-14.959	-2	...	...
...	24.938	+31.599	-4	M	...	...	17.729	+54.730	-4	...	...	...	8.411	-54.077	-1	...	...
...	24.906	-1.641	-4	M	...	...	17.708	+14.152	-3	...	...	...	8.344	-42.205	-1	A	...
...	24.768	-39.434	-5	M	...	...	17.634	-41.720	0.95	44.7372	10.0	...	8.314	+47.132	0.65	...	...
...	-24.497	-4.389	0.75	43.7052	10.1	α †	-17.556	+0.262	1.60	43.7066	8.8	...	-8.302	+0.717	-1	...	...
...	24.443	+54.010	-1	...	...	...	17.477	-13.838	-5	M	...	...	8.216	+33.815	0.70	43.7072	10.2
*	24.323	+25.633	2.30	43.7053	7.8	...	17.228	+28.973	-5	M	...	...	7.852	-36.079	0.80	44.7381	10.0
...	24.139	-42.455	-2	...	...	...	17.162	-14.389	-5	M	...	...	7.774	+39.037	-4	...	...
...	23.668	-54.860	-1	...	...	...	17.098	-21.182	0.75	...	...	...	7.731	+25.658	-5	M	...
291	-23.638	+17.194	0.80	43.7054	10.2	351	-17.065	-54.926	-4	...	...	411	-7.683	-30.912	1.15	44.7382	9.0
†	23.402	+50.150	-3	...	...	...	16.983	-32.351	-5	M	...	...	7.629	+41.019	0.80	43.7073	10.0
...	23.027	-42.052	-5	M	...	...	16.966	+8.924	-5	M	...	...	7.539	+23.140	-5	M	...
...	22.925	+14.562	0.80	43.7055	10.0	...	16.864	-7.899	-4	M	...	...	7.412	-30.020	0.80	44.7383	9.8
...	22.908	+52.894	0.85	43.7056	9.9	...	16.635	-7.996	-5	M	...	...	7.384	-0.735	-4	M	...
...	-22.865	-34.248	-3	...	...	...	-16.243	-35.687	-5	...	...	...	-7.359	-45.390	-5	M	...
...	22.797	+55.819	-5	...	...	...	16.135	+23.497	-3	...	...	...	7.294	+59.126	-1	...	...
...	22.724	+21.525	-5	...	...	...	15.568	+30.604	-4	...	...	...	7.240	-52.162	-5	...	...
...	22.679	-44.256	-5	M	...	...	15.525	-52.484	0.90	44.7374	9.8	S*	6.944	+43.437	1.70	43.7074	8.8
...	22.634	-41.828	-4	M	...	...	15.509	-11.161	-4	M	...	...	6.926	+43.657	-5	...	...
301	-22.522	+3.407	0.70	...	...	361	-15.489	-14.598	1.10	44.7375	9.4	...	-6.689	+52.419	-1	...	...
...	22.490	+52.044	0.65	...	...	†	15.448	+12.285	0.80	43.7067	9.8	...	6.395	-53.672	-4	...	...
*	22.160	-21.362	0.95	44.7367	9.6	...	15.270	-28.336	-5	M	...	...	6.242	+48.388	-5	...	...
...	22.127	+14.986	-5	M	...	...	14.937	+2.828	-5	M	...	...	6.037	-17.013	-5	M	...
...	22.048	-55.295	-4	...	...	...	14.894	+34.517	-3	...	...	...	5.875	-46.138	0.85	44.7384	10.1
...	-22.044	+16.525	0.65	...	...	...	-14.671	+22.564	-4	...	...	...	-5.776	-13.669	-3	M	...
...	21.938	+11.780	-5	M	...	...	14.635	-5.377	0.65	44.7376	10.2	...	5.726	+21.707	0.65	...	...
...	21.842	-8.238	0.65	44.7368	10.2	...	14.565	+8.319	0.65	...	...	...	5.612	+16.341	-1	m	...
...	21.711	+5.710	-1	...	...	...	14.509	-30.226	-5	M	...	†	5.407	-30.990	-5	...	...
...	21.695	-40.353	-4	...	...	*	14.176	+3.598	1.60	43.7068	9.0	...	5.262	-29.131	-3	...	...
311	-21.483	+14.649	-4	M	...	371	-13.985	-51.268	-4	...	...	431	-5.189	+22.814	1.070	...	...
...	21.464	-55.036	-5	...	...	...	13.873	-37.204	-5	M	...	*	5.038	-47.771	1.30	44.7386	8.9
...	21.460	-17.274	-5	M	...	...	13.862	-25.771	-5	...	...	*	4.992	+59.874	1.20	42.7043	9.6
...	21.179	+46.701	-2	...	...	...	13.489	-55.070	-5	...	...	...	4.880	-32.765	0.65	44.7387	10.2
...	21.111	+56.854	-5	...	...	...	13.481	+16.935	-5	M	...	...	4.761	-59.350	0.70	44.7388	10.2
*	-21.031	+53.112	1.40	43.7058	9.2	...	-13.076	-34.017	-5	M	...	*	-4.479	+38.274	0.90	43.7075	9.7
...	20.966	+26.131	0.80	43.7057	9.8	...	13.070	-38.015	0.85	44.7377	10.0	...	4.465	-49.495	-5	M	...
...	21.869	+26.641	-3	...	...	...	12.957	-35.769	0.75	44.7378	10.2	...	4.232	-51.915	-5	M	...
...	20.866	-23.248	-2	...	...	...	12.874	-32.306	-3	...	...	...	4.196	+38.296	-5	M m	...
...	20.504	+0.119	-4	M	...	...	12.485	-59.406	-5	M	...	...	4.182	+48.387	-5	M m	...
321	-20.412	-54.410	0.80	44.7369	9.9	381	-12.471	+18.787	-4	...	...	441	-3.927	+14.340	1.05	43.7076	9.6
†	20.276	+1.588	0.95	43.7059	9.8	*	12.438	+53.244	0.95	43.7069	9.8	...	3.711	+22.239	-5	M m	...
...	20.217	-17.747	-3	...	...	...	12.260	-41.400	-4	...	...	*	3.504	+59.381	1.00	42.7045	10.0
S*	20.201	+12.001	2.20	43.7060	7.6	...	12.225	-29.902	-5	M	...	...	3.362	-1.562	0.80	43.7077	9.8
*	20.059	-3.184	1.10	43.7061	9.6	...	12.209	+46.634	-4	...	...	...	3.350	-29.711	1.20	44.7389	8.9
...	-19.976	+56.532	-4	...	...	†	-11.824	-19.653	-4	M	...	...	-3.309	-0.278	-5	M m	...
...	19.941	+17.820	0.80	43.7062	10.1	...	11.655	+0.593	-4	...	...	...	3.245	-46.174	-5	M	...
...	19.893	-12.107	-4	...	...	...	11.379	-6.165	-3	...	...	*	2.984	-51.928	1.00	44.7390	9.8
...	19.845	-50.219	-5	M	...	...	11.249	+26.478	-4	...	...	...	2.451	-54.429	-5	M	...
...	19.545	-2.770	-2	43.7063	10.2	...	11.192	+30.720	-4	...	...	*	2.331	+21.806	0.95	43.7078	9.8

Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-510						511-570						571-630					
451	- 2°303	+ 31'870	- 3	...	...	511	+ 7°164	- 36'977	- 5	...	...	571	+ 16°132	+ 45'999	- 4	...	...
...	2°287	+ 57'573	- 4	...	...	...	7°245	- 40'139	- 2	...	...	...	16°460	- 52'365	0·65	44·7408	10·2
...	2°161	+ 24'317	- 4	M m	...	...	7°335	+ 57'717	- 4	...	...	...	16°960	- 45'826	- 4	...	...
...	2°148	+ 33'483	- 5	M	...	...	7°416	+ 11'391	- 5	m	...	*	17°042	- 16'815	1·20	44·7409	9·6
...	1°805	- 44'011	0·75	...	...	...	7°482	- 22'767	- 4	...	...	...	17°164	+ 10'411	- 4	m	...
...	- 1°434	- 29'809	- 4	M	...	...	+ 8°020	- 18'956	- 5	...	...	...	+ 17°419	- 45'481	- 4	...	...
...	0°918	- 4'196	- 5	M	...	...	8°259	+ 42'425	- 5	m	...	...	17°462	- 4'606	0·90	43·7095	10·0
...	0°743	- 19'383	- 1	...	...	...	8°668	- 48'098	- 4	...	...	...	17°747	- 29'766	- 4	...	...
...	0°717	- 13'171	- 1	M	...	*	9°070	+ 32'855	0·90	43·7087	9·8	...	18°145	+ 37'531	- 4	...	...
...	0°715	- 36'148	- 4	M	...	...	9°096	- 0'254	- 4	...	...	...	18°193	+ 21'181	- 5	m	...
461	- 0°633	+ 34'358	- 3	m	...	521	+ 9°176	+ 50'276	1·00	43·7088	9·8	581	+ 18°308	+ 29'724	- 5	m	...
...	0°618	- 57'718	- 1	...	...	...	9°351	+ 37'073	- 4	m	...	...	18°393	- 11'333	- 4	...	...
...	0°589	+ 38'134	0·85	43·7079	10·1	...	9°418	- 31'792	- 4	...	...	...	18°681	+ 25'551	- 4	...	...
†	0°565	+ 10'239	- 4	M m	...	...	9°764	+ 52'627	- 5	...	...	...	18°889	+ 44'916	- 5	...	...
...	0°159	+ 5'502	- 5	M m	...	...	9°806	- 53'169	- 3	...	...	...	19°311	+ 43'258	0·80	...	...
...	- 0°136	- 24'950	0·75	44·7391	9·8	...	+ 9°844	- 28'982	- 2	...	...	...	+ 19°400	- 30'115	- 4	...	...
...	- 0°107	- 55'998	- 4	...	...	...	9°886	- 54'236	- 5	...	...	†	19°473	- 59'287	- 3	...	...
...	+ 0°606	+ 13'186	- 4	...	...	...	9°910	+ 32'406	- 2	...	...	...	19°630	+ 57'435	0·95	42·7069	10·1
*	0°682	+ 45'419	1·80	43·7080	8·8	...	9°995	+ 9'716	- 2	...	...	...	19°705	+ 29'233	- 5	m	...
...	0°766	- 24'046	- 3	...	...	...	10°003	+ 56'432	- 4	...	...	...	19°831	- 31'674	- 1	...	...
471	+ 1°082	+ 39'457	- 5	M m	...	531	+ 10°006	+ 3'362	0·95	43·7089	9·8	591	+ 19°850	- 39'297	- 1	...	...
*	1°097	- 15'283	2·30	44·7393	8·4	...	10°046	+ 56'598	- 2	...	...	...	19°897	- 11'261	- 4	...	...
...	1°108	- 27'485	- 4	...	...	...	10°387	+ 3'273	- 5	m	...	...	20°061	- 0'509	0·65	43·7096	10·2
...	1°335	- 6'572	- 5	M	...	...	10°504	- 18'637	- 1	...	...	...	20°115	+ 4'214	- 5	m	...
...	1°801	- 55'075	- 4	...	...	...	10°510	+ 8'165	0·75	43·7090	10·1	*	20°380	- 32'749	2·90	44·7410	7·6
S*	+ 1°847	+ 14'648	2·70	43·7081	7·8	...	+ 10°608	- 27'317	- 1	...	...	...	+ 20°679	+ 1'558	- 3	...	...
...	2°444	- 38'364	- 3	...	...	...	10°655	- 23'799	- 4	...	...	*	20°893	+ 4'781	1·15	43·7097	9·6
...	2°525	+ 1'209	0·90	43·7082	9·8	...	10°716	- 11'278	- 5	...	...	...	20°999	+ 28'295	- 2	...	...
...	2°854	- 47'399	- 4	...	...	...	10°728	- 57'510	- 2	...	...	...	21°090	+ 25'823	- 3	a	...
...	2°975	+ 3'966	- 5	...	...	...	10°833	+ 29'063	0·90	43·7091	9·8	...	21°299	- 17'630	- 4	...	...
481	+ 3°143	- 49'494	- 4	...	...	541	+ 10°947	- 47'905	- 3	...	...	601	+ 21°353	- 17'504	- 4	...	...
*	3°249	+ 54'547	1·05	43·7083	9·6	*	11°005	+ 31'591	0·90	43·7092	9·8	...	21°406	+ 4'757	- 4	...	...
*	3°291	- 29'931	1·05	44·7394	9·4	...	11°377	+ 56'412	- 5	...	...	...	21°482	+ 14'879	0·65	43·7098	10·1
*	3°382	+ 52'244	1·15	43·7084	9·6	...	11°793	- 50'096	- 5	...	...	...	21°834	+ 50'397	- 4	...	...
†	3°573	+ 25'175	- 5	...	...	...	12°265	- 7'741	- 3	...	...	...	21°931	- 36'825	- 5	...	...
...	+ 3°764	- 43'459	- 5	...	...	...	+ 12°304	- 12'945	- 5	...	...	...	+ 22°065	+ 34'114	- 4	...	...
...	3°829	- 2'264	0·80	43·7085	10·2	*	12°681	+ 53'727	1·30	43·7093	9·6	...	22°209	- 25'730	- 4	...	...
...	3°892	+ 46'541	- 4	...	...	...	13°007	+ 14'480	- 5	m	...	...	22°240	+ 38'023	- 4	...	...
...	4°339	- 7'045	- 5	M	...	...	13°102	- 52'457	- 3	...	...	...	22°275	+ 9'203	- 3	...	...
*	4°377	- 57'061	1·40	44·7395	9·0	*	13°341	- 48'916	1·15	44·7402	9·4	...	22°379	+ 33'810	- 4	m	...
491	+ 4°396	- 48'903	- 5	M	...	551	+ 13°471	- 45'355	1·15	44·7403	9·4	611	+ 22°623	+ 54'181	- 4	m	...
...	4°469	+ 19'062	- 5	M m	...	...	13°494	- 31'039	0·75	...	...	...	22°705	- 48'117	- 4	...	...
†	4°513	+ 55'037	- 4	...	...	...	13°556	+ 44'645	- 3	...	...	...	22°739	- 16'387	- 4	...	...
†	4°620	- 18'400	- 4	...	...	...	13°565	- 19'660	0·65	...	...	...	23°042	+ 42'307	- 4	...	...
...	4°982	- 34'894	- 4	...	...	...	13°595	- 41'235	- 1	...	...	...	23°071	+ 19'065	- 3	...	...
...	+ 5°149	- 15'926	- 4	M	...	...	+ 13°637	- 9'452	0·70	44·7404	10·2	...	+ 23°141	+ 54'720	- 4	...	...
...	5°178	+ 43'120	- 4	...	...	...	13°802	+ 30'900	0·75	43·7094	10·2	*	23°160	+ 45'924	1·10	43·7099	9·6
...	5°197	+ 1'582	- 5	M m	...	...	13°824	+ 32'509	0·70	...	...	*	23°523	+ 38'648	1·15	43·7100	9·7
...	5°389	- 36'510	- 4	M	...	...	13°867	- 35'561	0·70	...	...	...	23°610	+ 29'091	- 4	...	...
...	5°564	- 47'102	- 5	M	...	...	13°963	+ 10'875	- 3	a	...	...	23°692	+ 28'852	- 2	...	...
501	+ 5°747	- 17'342	- 5	M	...	561	+ 14°691	- 46'856	- 5	...	...	621	+ 23°835	- 40'317	- 4	...	...
...	6°337	- 31'984	- 5	M	...	*	14°727	+ 57'102	1·10	42·7061	10·0	*	24°014	- 31'082	1·40	44·7411	9·4
*	6°400	- 28'754	0·90	44·7396	9·7	...	14°958	- 0'084	- 4	...	...	...	24°185	- 10'543	- 5	...	...
*	6°414	+ 34'841	1·80	43·7086	8·7	...	15°137	- 12'996	- 4	...	...	...	24°329	+ 7'137	- 3	...	...
...	6°485	- 24'261	- 2	44·7399	10·2	*	15°269	- 47'190	3·00	44·7405	7·9	...	24°396	- 41'283	- 4	...	...
†	+ 6°618	- 34'642	- 3	44·7398	10·1	*	+ 15°370	- 22'759	0·90	44·7407	10·0	...	+ 25°028	- 37'229	- 3	...	...
*	6°627	- 39'572	0·95	44·7397	9·8	...	15°390	+ 45'011	- 4	...	...	...	25°062	- 40'807	- 4	...	...
...	6°751	- 14'275	- 4	...	...	...	15°512	- 42'735	- 5	...	...	...	25°679	- 8'493	0·80	44·7412	10·0
...	6°774	- 27'135	- 4	...	...	...	15°885	+ 2'261	- 4	...	...	...	25°694	+ 37'546	- 5	...	...
...	6°788	- 50'842	0·95	44·7400	9·9	...	15°978	+ 49'436	- 4	...	...	...	25°781	- 10'884	- 3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-690						691-750						751-810					
631	+25.802	-28.095	-5	...	...	691	+33.576	+6.338	-5	m	...	751	+41.034	-17.781	-5	...	...
...	26.037	+14.147	-4	...	...	...	33.636	+37.299	-2	...	...	...	41.238	-0.256	1.00	43.7114	9.6
...	26.050	+31.671	-5	...	...	...	33.689	-32.319	-1	...	...	...	41.526	+56.178	-3	...	...
*	26.133	-24.396	1.00	44.7413	9.7	*	33.920	-46.850	1.30	44.7422	9.2	*	41.555	+5.774	1.40	43.7116	9.2
...	26.146	+6.359	-2	...	...	...	33.949	+57.601	0.65	...	...	...	41.640	+15.812	0.80	43.7115	10.2
...	+26.856	+31.772	-3	...	...	*	+33.974	+7.936	0.95	43.7108	9.8	...	+41.759	+40.595	-2	...	...
...	26.856	+13.776	-4	...	...	...	34.007	-21.076	-5	...	...	...	41.897	+29.270	-3	...	...
*	27.004	-17.814	0.75	...	...	...	34.015	+50.777	-1	...	...	...	41.899	-11.660	-5	...	...
...	27.142	-19.958	-4	...	...	...	34.138	+41.284	1.00	43.7107	9.8	...	41.954	+25.441	-4	...	...
...	27.376	+30.918	-5	m	...	...	34.256	-53.346	-4	...	...	*	42.046	-19.577	1.05	44.7429	9.6
641	+27.412	-20.974	-5	...	...	701	+34.411	+39.393	-5	m	...	761	+42.178	+29.871	-4	...	...
...	27.503	+20.108	-3	...	...	...	34.500	+34.926	-4	...	...	...	42.352	-24.694	-3	...	...
†	27.554	-19.783	0.95	44.7414	9.7	†	34.540	+27.054	-5	...	...	*	42.357	+31.349	1.40	43.7117	9.2
*	27.866	-20.068	0.95	44.7416	9.8	...	34.720	+47.404	-5	...	...	...	42.379	-11.752	-3	...	...
S*	28.052	-11.938	1.85	44.7415	8.4	...	34.735	+32.280	-4	...	...	...	42.413	-57.088	-3	...	...
...	+28.061	+46.197	-4	...	...	...	+35.008	+9.305	-3	...	...	...	+42.570	-17.117	-5	...	...
...	20.070	-39.788	-1	44.7417	10.2	...	35.041	-32.263	0.70	...	...	...	42.886	-11.627	0.75	...	...
...	28.109	-0.470	-4	...	...	...	35.089	+8.149	0.70	...	...	...	43.143	-30.387	-3	...	...
...	28.136	-18.794	-5	m	...	...	35.124	+41.880	0.90	43.7109	10.1	...	43.724	-37.690	-3	...	...
...	28.649	+53.409	-4	...	...	...	35.131	-48.311	0.65	44.7423	10.2	...	43.727	+26.542	-4	...	...
651	+28.898	+46.036	2.30	43.7101	7.8	711	+35.372	-7.061	-3	...	...	771	+43.746	-36.868	-3	...	...
...	29.013	+19.130	-5	m	...	...	35.477	-33.270	-2	...	...	*	43.863	-7.731	1.50	44.7430	9.2
...	29.075	+23.326	-3	...	...	...	35.549	+27.024	-4	m	...	...	43.907	+22.548	-4	...	...
...	29.100	-2.268	-1	...	...	...	35.835	+27.291	0.65	...	...	...	43.986	-46.356	-3	...	...
...	29.150	+13.509	-4	...	...	...	36.020	-37.588	-2	...	...	...	43.999	+23.928	-3	...	...
...	+29.151	+27.658	-3	a	...	...	+36.314	+26.242	-3	...	...	...	+44.019	-13.098	-5	...	...
...	29.159	-21.556	-5	...	...	...	36.318	-38.546	-3	...	...	...	44.028	-10.359	-4	...	...
...	29.256	-12.602	-2	...	...	...	36.424	+59.841	-1	...	...	*	44.115	-21.665	0.95	44.7431	9.9
S†	29.399	+12.303	2.00	43.7102	8.3	...	36.477	-43.791	0.65	...	...	†	44.512	+28.376	2.30	43.7119	8.0
...	30.020	+2.930	0.80	43.7103	10.1	...	36.575	+7.652	-4	...	...	*	44.599	+41.120	0.95	43.7118	9.8
661	+30.099	+6.462	0.65	...	...	721	+36.723	+9.037	-5	m	...	781	+44.987	-23.886	-5	...	...
...	30.156	-50.570	-5	...	...	...	36.910	-44.122	0.75	...	...	...	45.149	+35.300	-5	m	...
...	30.232	+6.429	-3	...	...	...	36.944	+57.068	-3	...	...	...	45.172	+1.829	0.85	43.7121	10.1
...	30.423	-45.261	-5	...	...	...	37.004	+34.525	0.85	43.7110	10.2	...	45.192	+7.470	0.70	...	...
*	30.437	+7.634	0.85	43.7104	10.0	†	37.107	-34.629	-5	...	...	...	45.225	-26.694	-4	...	...
...	+30.555	-13.175	-4	...	...	...	+37.180	-12.182	-5	...	...	...	+45.375	-40.044	-3	...	...
...	30.648	-54.840	-1	...	...	...	37.276	+30.559	-3	...	...	...	45.450	+44.874	0.90	43.7120	10.2
...	30.761	+42.949	-1	...	...	...	37.485	-16.574	-2	...	...	...	45.482	+21.898	0.65	...	...
...	30.898	+21.720	-5	m	...	...	37.533	-47.131	0.75	...	...	...	45.487	-36.486	-5	...	...
...	30.942	-44.024	-5	...	...	...	37.641	+12.799	-4	...	...	...	45.701	-32.041	0.85	...	...
671	+31.279	-48.526	-5	...	...	731	+37.696	+50.284	1.10	43.7111	9.8	791	+45.750	+17.540	-2	...	...
...	31.308	-25.644	0.75	44.7418	10.0	*	37.739	+49.487	1.00	43.7112	9.8	...	45.858	+33.318	-4	...	...
...	31.340	+48.434	0.90	43.7105	9.9	...	37.777	-44.798	-1	...	...	*	45.942	+54.262	1.50	43.7122	9.4
...	31.391	-42.118	-2	...	...	...	37.883	-10.604	-5	...	...	...	46.318	+47.108	-4	...	...
...	31.431	+14.508	0.65	...	...	...	38.142	+27.026	0.65	...	...	...	46.830	-22.897	-3	...	...
...	+31.538	-48.757	-4	...	...	*	+38.735	-25.879	0.95	44.7424	9.8	*	+46.872	-42.754	1.70	44.7432	9.0
*	31.597	-45.588	1.05	44.7419	9.8	...	38.787	+54.347	-1	...	...	*	47.010	+57.902	1.50	42.7076	9.2
...	31.644	-37.633	-4	...	...	...	38.843	+9.967	0.65	a	...	...	47.165	+49.831	-5	m	...
S*	31.814	-53.516	1.75	44.7420	8.8	...	39.039	+49.022	-5	...	...	...	47.305	-7.330	-4	...	...
...	32.311	-45.914	-5	...	...	*	39.198	+7.076	0.90	43.7113	9.7	...	47.560	-57.219	-4	...	...
681	+32.716	-21.390	0.65	...	...	741	+39.240	-41.327	0.75	44.7425	10.2	801	+47.597	-9.301	-4	...	...
...	32.796	-30.836	-5	...	...	...	39.774	-10.560	-4	...	...	...	47.685	-53.203	-5	...	...
...	32.845	-21.602	-5	...	...	...	39.871	+4.609	-4	...	...	...	47.756	-31.072	0.85	44.7433	10.2
...	32.928	+10.889	0.65	...	...	...	40.039	-55.172	-1	...	...	...	47.808	-9.390	-5	...	...
...	33.158	+12.385	-5	m	...	...	40.248	+30.721	-5	...	...	...	48.011	+36.062	-3	...	...
...	+33.220	-26.492	-5	m	...	*	+40.461	-16.980	1.30	44.7426	9.2	...	+48.430	+20.375	-5	m	...
...	33.279	+53.420	0.75	43.7106	10.2	...	40.477	+4.319	-4	...	...	...	48.635	-54.733	-5	...	...
...	33.309	-13.430	-3	...	...	...	40.658	-27.914	-1	...	...	...	48.640	-20.211	-5	...	...
...	33.343	+14.160	0.75	...	...	...	40.675	-24.437	-4	...	...	...	48.713	-8.167	-4	...	...
*	33.529	-51.065	1.20	44.7421	9.6	...	40.871	-9.840	-4	...	...	...	48.796	-17.672	0.65	...	...

Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
811-840						841-870						871-876							
811	+48.896	-20.055	0.70	o	...	841	+53.732	+27.985	1.10	o	43.7124	9.7	871	+58.068	-14.157	-3	o	...	...
...	49.219	+46.947	-5	...	...	...	54.269	+47.091	-1	...	...	...	S *	58.416	-4.406	1.85	43.7128	8.4	...
...	49.363	+33.230	-4	...	...	...	54.597	+19.841	-5	e	...	...	...	58.687	-29.860	-1	...	...	...
...	49.694	-26.440	0.70	...	...	...	54.820	-23.046	-4	...	...	...	...	58.968	+29.176	-1	...	...	...
...	49.909	+25.808	-4	...	...	...	55.150	-17.438	0.75	44.7438	10.2	...	...	59.267	-39.000	-5	...	...	...
...	+49.957	-56.452	-1	...	...	...	+55.209	+21.617	-5	...	...	...	...	†	+59.366	-4.232	-2	...	...
...	49.959	-45.790	-2	...	...	...	55.284	-22.377	-5	...	...	...	...	...	...	...	...	...	...
...	50.086	+6.298	-5	e	...	...	55.292	-17.656	0.70	44.7439	10.2	...	...	...	...	...	...	...	...
...	50.178	-17.256	-4	...	...	...	55.502	+18.945	0.90	43.7126	9.8	...	...	...	...	...	...	...	...
...	50.199	+43.925	-5	...	...	...	55.549	-10.757	-5	...	...	...	...	...	...	...	...	...	...
821	+50.285	+25.515	-1	...	...	851	+55.699	+44.842	1.40	43.7125	9.4	...	...	...	...	...	...	...	...
...	50.548	+37.423	-3	...	...	...	55.706	-23.129	0.65	...	...	...	...	...	...	...	...	...	...
...	50.623	-11.389	0.80	44.7434	10.2	...	55.767	+55.958	-1	...	...	...	...	...	...	...	...	...	...
...	50.929	+43.232	-5	e	...	...	55.838	+4.716	-3	...	...	...	...	...	...	...	...	...	...
...	50.995	+44.984	-1	...	...	...	56.021	-30.337	-4	...	...	...	...	...	...	...	...	...	...
...	+51.255	+25.959	-5	e	...	...	+56.045	-32.065	1.10	44.7440	9.6	...	...	...	...	...	...	...	...
...	51.452	-14.622	-4	...	...	S †	56.067	+40.190	2.00	43.7127	8.7	...	...	...	...	...	...	...	...
...	51.790	-27.177	-3	...	...	...	56.195	+12.530	-3	...	...	...	...	...	...	...	...	...	...
...	51.855	-12.186	0.80	44.7435	10.2	...	56.284	-33.694	1.00	44.7441	9.8	...	...	...	...	...	...	...	...
...	52.223	+19.407	0.70	...	...	...	56.367	+3.124	-4	...	...	...	...	...	...	...	...	...	...
831	+52.621	+6.809	-4	e	...	861	+56.489	+32.224	-4	...	...	...	...	...	...	...	...	...	...
...	52.712	-33.322	-1	...	...	...	56.505	-43.007	-2	...	...	...	...	...	...	...	...	...	...
...	53.002	-19.984	0.90	44.7436	10.0	...	56.688	-18.135	1.05	44.7442	9.6	...	...	...	...	...	...	...	...
...	53.078	-15.335	0.65	...	...	...	56.797	-38.805	1.15	44.7443	9.7	...	...	...	...	...	...	...	...
...	53.305	+12.680	-3	e	...	...	56.857	+15.290	-1	...	...	...	...	...	...	...	...	...	...
...	+53.327	+48.165	-2	...	...	...	+56.890	+6.219	-5	...	...	...	...	...	...	...	...	...	...
...	* 53.477	-48.798	1.15	44.7437	9.6	S *	57.066	-44.027	3.65	44.7444	7.4	...	...	...	...	...	...	...	...
...	53.525	+43.466	0.75	43.7123	10.1	...	57.628	-29.284	1.30	44.7445	9.2	...	...	...	...	...	...	...	...
...	53.650	-10.721	0.65	...	...	...	57.710	+11.967	-1	...	...	...	...	...	...	...	...	...	...
...	53.693	+18.133	-3	...	...	...	58.036	-20.077	-3	...	...	...	...	...	...	...	...	...	...

1-20						21-40						41-60							
I	-60.111	+46.770	-5	o	...	21	-58.043	+6.166	-5	o	E	...	41	-55.047	+27.955	1.20	o	43.7124	9.7
...	60.037	-9.497	-3	...	...	...	57.861	-7.602	-5	...	...	...	...	55.013	+12.647	-5	E	...	...
...	59.851	+46.563	-4	...	...	...	57.623	-54.879	-4	...	...	...	...	54.835	+18.934	-5	M	...	...
...	59.828	-9.576	-5	...	...	...	57.447	+25.854	-5	E	...	...	...	54.782	+18.111	-3	...	...	...
...	* 59.760	-42.963	1.70	44.7432	9.0	...	57.426	-26.548	0.90	...	...	...	...	54.379	-15.363	0.70	...	...	...
...	-59.552	+33.069	0.70	...	...	...	-57.225	-17.359	-5	...	...	...	...	-54.315	-20.004	1.00	44.7436	10.0	...
...	59.410	+30.563	-5	M	...	...	56.991	-14.517	-5	M	...	...	...	54.218	-33.357	-4	...	...	...
...	59.352	+2.726	-5	M	...	...	56.955	-11.481	0.90	44.7434	10.2	...	...	54.020	+45.654	-5	...	...	...
...	59.242	-31.260	0.85	44.7433	10.2	...	56.579	-45.880	-3	...	...	...	...	53.960	-10.739	0.70	...	...	...
...	58.959	-8.329	0.70	...	...	...	56.282	+19.347	0.80	...	...	...	...	53.919	+19.844	-5	E	...	...
II	-58.793	+25.662	-4	...	...	31	-56.260	-56.541	0.75	...	...	...	51	-53.839	+55.985	0.70	...	...	...
...	58.683	-20.371	-5	...	...	...	56.052	+48.111	-4	...	...	...	...	* 53.580	+44.864	1.30	43.7125	9.4	...
...	58.624	-57.383	-5	...	...	...	56.035	-14.686	-4	...	...	...	...	53.373	-21.872	-5	...	...	...
...	58.616	-53.378	-5	...	...	...	55.716	+43.434	0.90	43.7123	10.1	...	...	53.366	+21.650	-5	...	...	...
...	58.582	-17.827	0.80	...	...	...	55.693	-12.240	0.90	44.7435	10.2	...	...	* 53.078	+40.234	1.80	43.7127	8.7	...
...	-58.519	+37.297	-3	...	...	...	-55.521	+6.767	-5	E	...	...	...	* 52.995	+18.976	1.00	43.7126	9.8	...
...	58.427	-20.200	0.90	...	...	...	55.478	-27.127	-5	...	...	...	...	* 52.970	-48.803	1.30	44.7437	9.6	...
...	58.405	+25.385	-1	...	...	...	† 55.326	-27.237	-1	...	...	...	...	52.578	+41.702	-5	M	...	...
...	58.292	+44.882	0.65	...	...	...	55.083	+47.067	0.70	...	...	...	...	52.424	+32.274	-5	...	...	...
...	58.288	+43.106	-5	E	...	...	55.071	+54.201	-5	M	...	...	...	52.421	-22.998	0.70	...	...	...

NM measured from 1, 499, 695, 894.
 ES ,, ,, 411, 579, 797, 1003.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
61	-52.253	-17.387	0.80	44.7438	10.2	121	-44.394	+59.839	0.70	...	...	181	-37.724	+37.391	-5	...	...
...	52.233	+4.773	-5	...	...	*	44.366	-15.289	1.00	44.7449	9.6	...	37.609	+4.946	-5	M	...
...	52.102	+12.595	-4	...	...	...	44.352	-23.895	-5	...	...	*	37.599	-13.876	1.15	44.7458	9.4
...	52.093	-17.605	0.80	44.7439	10.2	...	44.319	+5.269	-4	M	...	...	37.480	+37.989	-5	M	...
...	52.038	-10.698	-5	...	...	...	44.177	-29.458	0.65	...	...	*	37.287	-19.378	1.05	44.7460	10.0
...	-51.998	-18.110	-5	...	...	...	-44.149	-5.625	-5	...	...	...	-37.173	+46.632	-5	...	...
...	51.976	-22.315	-4	...	...	...	44.114	+28.333	0.80	...	...	...	37.125	-21.674	-5	...	...
...	51.662	+3.190	-5	...	...	...	44.046	-50.960	-5	...	...	...	36.891	+38.720	-4	...	...
...	51.533	+15.368	0.65	...	...	*	44.039	-53.647	1.70	44.7448	9.2	*	36.782	-54.980	1.10	44.7459	9.8
...	51.531	-23.064	0.80	...	...	...	44.016	-10.731	-4	...	...	...	36.689	-21.837	-5	...	...
71	-51.530	-25.359	-5	...	...	131	-44.007	-35.781	-5	...	...	191	-36.547	+37.148	-5	M	...
...	51.344	-22.050	-5	...	...	...	43.975	-56.238	-1	...	...	...	36.528	-12.355	0.70	...	...
...	51.230	+6.299	-5	...	...	...	43.926	+6.321	0.65	...	...	...	36.457	+1.408	-3	...	...
...	50.994	-30.262	-3	...	...	*	43.909	-26.892	1.10	44.7450	9.6	...	36.457	+1.408	-3	...	...
*	50.924	-31.992	1.15	44.7440	9.6	...	43.870	+12.079	-4	...	...	...	36.380	-4.293	-5	...	...
*	-50.692	-18.052	1.10	44.7442	9.6	...	-43.585	+26.224	0.70	...	...	*	36.380	-39.971	-4	...	...
*	50.623	-33.604	0.95	44.7441	9.8	...	43.572	-29.965	-5	...	...	...	-36.266	+26.959	1.05	43.7137	10.1
...	50.580	+12.082	0.70	...	...	...	43.460	-0.107	-5	M	...	*	36.253	+51.196	-5	...	...
...	50.139	-42.913	-4	...	...	...	43.460	-0.107	-5	M	...	*	36.196	+40.548	1.05	43.7138	9.8
...	50.014	-25.231	-5	...	...	...	43.118	+22.197	0.80	...	...	...	35.976	+11.259	0.70	...	...
81	-49.961	-38.715	1.10	44.7443	9.7	141	42.811	+10.766	0.70	...	...	*	35.964	-26.322	1.50	44.7461	9.2
...	49.842	+29.307	0.80	...	...	...	-42.760	-29.437	-5	...	...	201	-35.913	+39.923	0.70	...	...
S*	49.514	-43.921	3.20	44.7444	7.4	...	42.428	-23.337	-5	...	...	...	35.801	-8.192	0.95	44.7462	10.2
...	49.442	-14.035	-1	...	...	...	42.357	+46.890	-5	M	...	...	35.668	-14.659	0.65	...	...
*	49.419	-29.176	1.70	44.7445	9.2	...	42.347	+5.143	-5	M	...	...	35.668	-14.659	0.65	...	...
S*	-49.364	-4.279	2.05	43.7128	8.4	...	42.224	-37.296	-4	...	...	...	35.284	+57.147	-4	...	...
...	49.319	+29.558	-3	...	...	...	-41.994	-56.139	-5	...	...	...	34.941	-9.993	-4	...	...
...	49.280	-19.953	-4	...	...	...	-41.915	-57.810	-5	...	...	...	-34.838	-41.279	1.90	44.7463	8.9
...	48.957	+24.425	0.80	...	...	...	41.915	-57.810	-5	...	...	...	34.662	-46.613	-5	...	...
...	48.873	+44.275	0.80	...	...	...	41.895	+44.852	-5	...	...	...	34.623	+4.503	-5	M	...
91	-48.429	-4.071	0.80	...	...	151	41.835	-39.803	-4	...	...	...	34.603	-16.443	-5	...	...
...	48.369	+24.784	-5	M	...	...	41.694	-14.403	-5	...	...	...	34.476	-21.440	0.75	...	...
†	48.359	-29.710	0.70	...	...	...	-41.630	-36.566	0.75	...	...	211	-34.414	-45.996	-5	...	...
...	48.113	-8.592	-1	...	...	...	41.623	-42.950	-4	...	...	...	34.336	-25.800	-5	...	...
*	48.035	-2.952	1.60	43.7129	9.2	*	41.592	+59.800	-1	...	...	...	34.322	+43.328	-5	...	...
...	-47.868	+46.186	0.70	...	...	...	41.323	-40.590	1.10	44.7453	9.6	S*	34.129	+14.414	2.00	43.7139	8.3
*	47.711	+18.783	1.60	43.7130	9.4	...	41.309	+43.861	0.80	...	...	...	33.830	-11.314	0.70	...	...
...	47.501	-38.829	-5	...	...	...	-41.173	-36.806	0.75	...	...	...	-33.763	+15.503	-5	M	...
...	47.379	-10.632	0.65	...	...	...	40.480	-18.123	-5	...	...	...	33.761	-18.427	0.70	...	...
...	47.258	+27.118	-5	M	...	...	40.466	-11.913	-5	...	...	...	33.691	-38.095	-5	...	...
101	-47.131	+6.432	1.00	43.7131	10.0	161	40.203	+38.809	-5	...	...	...	33.656	+2.269	-5	M	...
...	46.967	+39.784	-5	M	...	...	39.841	-48.525	1.10	44.7455	9.8	...	33.612	+32.840	-4	...	...
...	46.962	+26.317	-5	...	...	...	-39.808	+9.530	0.70	...	...	221	-33.548	+30.794	-5	M	...
...	46.567	+30.372	-5	...	...	...	39.744	-1.862	-3	...	...	...	33.484	-10.125	-3	...	...
...	46.400	-33.011	0.80	...	...	...	39.720	-21.209	0.75	...	...	*	33.444	-32.742	1.60	44.7464	9.2
...	-46.384	+1.783	-5	M	...	...	39.697	+12.561	-5	M	...	...	33.425	-18.543	-5	...	...
...	46.302	-7.748	-5	...	...	...	39.695	-48.248	-5	...	...	...	33.099	+8.895	-5	M	...
...	46.301	-13.951	0.70	...	...	*	-39.414	-29.741	1.10	44.7456	9.6	*	-33.018	-29.565	1.00	44.7465	9.8
...	46.252	-15.400	0.80	...	...	...	39.325	+18.584	0.65	...	...	...	32.804	-2.782	0.80	...	...
...	45.873	+0.266	0.70	...	...	...	39.305	+58.344	-5	...	...	...	32.662	+43.850	-5	...	...
III	-45.800	-6.490	-2	...	...	...	39.200	-17.909	0.70	...	...	...	32.657	-13.871	-4	...	...
...	45.667	-11.148	-5	...	...	...	39.128	-22.778	1.20	44.7457	9.2	...	32.616	-19.501	-5	M	...
...	45.579	-41.525	0.90	44.7446	10.1	171	-38.944	+34.843	-5	...	...	231	-32.566	-10.236	-2	...	...
...	45.489	-39.793	0.85	44.7447	10.2	...	38.896	+13.907	0.85	43.7133	10.1	...	32.457	+6.411	0.90	...	...
...	45.433	-7.168	-5	...	...	*	38.859	+28.556	1.00	43.7134	9.8	...	32.412	+25.152	1.10	43.7140	9.4
...	-45.421	-22.109	-5	...	...	...	38.797	-18.841	-4	...	...	...	32.391	+30.934	0.65	...	...
...	45.114	+13.811	-4	M	...	N†	38.688	+40.029	0.80	...	...	...	31.751	-10.645	-5	...	...
...	44.818	+58.144	0.80	...	...	...	-38.655	+2.978	-5	M	...	...	-31.634	-0.647	0.70	...	...
...	44.707	+41.438	0.70	...	...	*	38.447	+1.290	1.10	43.7135	9.6	*	31.625	+29.706	1.20	43.7141	9.6
*	44.615	+12.618	1.00	43.7132	9.8	...	38.291	+4.388	0.75	...	...	...	31.191	-39.963	-4	...	...
						†	38.085	+13.054	0.70	...	...	...	30.908	-51.952	0.80	...	...
						†	37.835	+15.225	1.00	43.7136	9.8	...	30.757	+6.356	0.70	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
241-300						301-360						361-420					
241	-30°649	+29°800	-5	...	...	301	-22°857	-29°553	0·85	...	...	361	-15°665	+38°242	-5	...	...
...	30°156	+10°020	1·05	43·7142	9·8	...	22°764	+5°642	0·70	...	...	...	15°651	+32°593	0·85	...	...
*	29°975	+21°734	0·85	...	...	*	22°712	-12°368	0·95	...	...	*	15°643	+21°850	1·10	43·7158	9·4
...	29°800	+54°306	-3	...	...	*	22°646	-39°395	1·10	44·7470	9·8	...	15°519	+43°045	-1	...	...
N	29°481	+11°500	0·80	A	...	...	22°584	+52°525	-1	...	...	+	15°418	-40°612	1·60	44·7476	9·0
*	-29°480	+36°626	1·80	43·7143	8·8	*	-22°537	+21°071	1·90	43·7149	8·6	+	-15°332	+49°115	1·10	43·7159	9·4
...	29°205	+24°556	0·70	...	...	...	22°533	+34°858	-5	M	...	+	15°282	-15°261	0·70	...	...
...	29°074	-2°052	0·65	...	...	...	22°023	+21°870	-4	...	...	...	15°094	-46°361	-5	...	...
...	28°866	-17°071	-5	...	...	...	21°906	+5°971	-5	M	...	*	14°993	+22°718	1·00	43·7160	9·7
...	28°052	+16°229	-5	M	...	...	21°855	-37°578	1·05	44·7471	10·2	...	14°789	-32°917	-5	...	...
251	-27°983	+28°692	-5	M	...	311	-21°797	+40°723	-5	...	...	371	-14°678	-12°938	0·80	...	...
...	27°925	-36°105	-5	...	...	...	21°779	+50°293	-5	M	...	*	14°456	-5°923	1·05	44·7478	9·7
...	27°900	-36°025	-5	...	...	...	21°582	-18°602	-5	...	...	...	14°319	+49°973	0·95	43·7161	10·1
...	27°796	-29°563	0·80	...	...	...	21°544	+58°353	-5	...	...	...	13°964	+42°253	-5	...	...
...	27°766	+38°977	-5	M	...	...	21°392	-57°093	0·90	...	...	...	13°882	+19°046	-5	M	...
...	-27°525	+21°534	-5	M	...	...	-21°250	-40°933	-1	...	...	...	-13°684	+57°478	-1	...	...
...	27°473	-38°233	-5	...	...	...	20°811	-14°251	0·65	...	...	...	13°548	-3°633	0·70	...	...
...	27°367	-12°874	0·80	...	...	...	20°758	-32°847	-5	...	...	...	13°489	+18°362	-5	M	...
...	27°287	+18°288	0·65	...	...	*	20°722	-33°701	1·00	44·7472	10·1	...	13°468	+18°544	0·65	...	...
...	27°279	-39°003	-5	...	...	...	20°636	+32°721	-5	M	...	...	13°306	+43°787	-2	...	...
261	-27°045	-53°791	-1	...	...	321	-20°554	+31°026	1·80	43·7150	8·2	381	-13°281	+30°184	-5	M	...
...	26°966	-32°434	-5	...	...	...	20°504	+46°685	-5	...	...	...	13°216	-37°172	0·70	...	...
...	26°945	+19°110	-3	...	...	...	20°420	+39°804	-5	M	...	...	13°163	-48°620	-5	...	...
...	26°941	-27°429	-5	...	...	...	20°061	+14°636	0·75	...	...	*	13°110	-57°568	1·10	44·7480	10·0
*	26°821	-13°943	1·00	44·7466	10·2	...	19°982	-55°964	-3	...	...	...	12°776	+29°383	-5	M	...
...	-26°735	+23°557	-5	M	...	...	-19°879	+39°252	-5	M	...	...	-12°717	+13°545	-4	M	...
...	26°730	-11°146	-3	...	...	*	19°727	-8°992	1·90	44·7473	8·7	...	12°575	+33°775	0·65	...	...
...	26°643	-20°973	-3	...	...	*	19°706	-10°260	1·10	44·7474	9·6	...	12°366	+46°527	-4	...	...
*	26°640	+34°901	1·15	43·7144	9·6	*	19°697	+31°279	1·00	43·7151	9·9	...	12°315	-32°024	-5	...	...
...	26°617	-22°078	-3	...	...	...	19°556	+37°702	0·80	...	...	...	12°280	+5°598	-5	M	...
271	-26°517	+32°527	-5	M	...	331	-19°401	+44°172	0·70	...	...	391	-12°207	-34°829	-5	...	...
...	26°348	-8°008	-5	...	...	*	19°395	+16°490	0·95	43·7152	10·2	...	12°139	+2°629	-5	M	...
...	26°212	-11°481	-5	...	...	...	18°851	+9°254	-5	M	...	*	12°101	+19°859	0·90	...	...
...	25°734	+10°382	-5	M	...	...	18°583	-16°374	0·75	...	...	...	12°084	-31°624	0·70	...	...
...	25°652	+34°249	-4	M	...	...	18°339	-9°413	-4	...	...	...	11°919	-8°937	-5	...	...
...	-25°586	+48°190	-4	...	...	...	-18°290	-15°166	-5	...	...	...	-11°857	+40°965	-5	...	...
...	25°448	-28°606	-5	...	...	...	18°090	-4°476	0·70	...	...	...	11°809	+30°248	0·70	...	...
+	25°350	+3°318	1·15	43·7145	9·6	...	18°055	-36°005	-5	...	...	...	11°809	-17°133	0·70	...	...
*	25°253	-25°234	1·00	44·7467	10·0	...	17°960	-1°577	-4	...	...	*	11°638	-16°687	1·05	44·7481	9·6
...	25°167	+25°627	0·90	43·7146	10·2	*	17°757	+29°772	2·80	43·7153	7·9	...	11°310	-51°129	-1	...	...
281	-25°024	-8°697	0·80	...	...	341	-17°748	-13°156	1·25	44·7475	9·2	401	-11°185	-19°856	0·70	...	...
...	24°989	-22°055	0·90	...	...	*	17°564	+29°188	0·95	43·7154	10·0	n	11°026	-19°918	1·10	44·7482	9·2
...	24°930	+20°075	0·70	...	...	...	17°492	+35°916	0·65	...	...	n*	10°934	+37°003	1·00	43·7162	9·8
*	24°859	-23°490	1·20	44·7468	9·4	...	17°437	-30°483	0·70	...	...	*	10°914	-49°550	0·65	...	...
...	24°776	-13°120	-5	...	...	...	17°151	+36°052	1·10	43·7155	9·7	...	10°766	+14°692	-2	...	...
N*	-24°537	+52°571	2·60	43·7147	8·0	...	-17°122	-12°874	-5	...	...	S*	-10°687	-37°418	6·90	44·7483	5·3
N	24°492	+52°470	-2	...	...	...	17°114	-50°583	-1	...	...	...	10°686	-4°999	-1	...	...
...	24°379	+7°964	0·80	...	...	...	16°843	+2°884	-5	M	...	...	10°647	+33°489	0·80	...	...
...	24°000	+10°087	-4	...	...	*	16°825	+44°175	1·00	...	...	...	10°562	+59°229	0·65	...	...
...	23°907	+39°107	-5	M	...	...	16°811	-36°063	-5	...	...	+	10°388	+27°746	1·00	43·7163	10·1
291	-23°852	-39°631	-1	...	...	351	-16°808	-17°933	0·75	...	...	411	-10°145	-2°820	-5	M	...
...	23°830	-57°340	-1	...	...	...	16°680	-14°129	-5	...	...	...	10°141	+5°363	-1	...	...
*	23°556	-57°245	1·20	44·7469	9·8	...	16°646	-23°471	0·70	...	...	...	10°121	-19°784	-2	...	...
...	23°481	+5°742	0·85	...	...	...	16°600	-19°215	0·70	...	...	...	10°042	-10°874	0·90	...	...
*	23°346	+8°522	1·10	43·7148	9·8	*	16°494	+22°830	1·00	43·7157	10·2	*	10°020	+10°109	1·00	43·7164	9·8
...	-23°198	+28°397	0·70	...	...	*	-16°478	+39°754	1·00	43·7156	10·2	...	-10°014	-54°340	-5	...	...
...	23°134	-26°686	-4	...	...	...	16°433	-45°414	-5	...	...	...	9°877	+47°241	-4	...	...
...	23°017	+6°066	0·80	...	...	...	16°139	-17°058	-5	...	...	...	9°816	+6°654	-1	...	...
...	22°979	+41°668	-1	...	...	...	15°767	-53°635	-5	...	...	...	9°708	-44°513	-5	...	...
...	22°976	-42°495	-5	...	...	...	15°706	-29°568	0·65	...	...	...	9°269	-36°668	-2	...	...

245. 43°·93, obscured by réseau.

286, 287. 43°·93, no sign of duplicity.

401, 402. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-480						481-540						541-600					
421 †	- 8'913	- 4'713	- 5	...	...	481	- 2'348	+ 50'875	- 3	B m	...	541	+ 4'322	+ 0'391	1'10	43.7175	9'6
*	8'888	+ 46'396	1'00	...	...	*	2'250	+ 54'119	1'00	43.7171	10'2	...	4'351	- 35'339	- 4	...	...
...	8'601	+ 16'714	- 4	M	...	...	2'211	- 51'809	- 3	...	...	...	4'360	+ 23'387	0'80	...	...
...	8'561	+ 48'092	- 5	M	...	...	2'078	+ 12'591	- 5	M m	...	*	4'546	+ 33'862	1'00	43.7176	10'2
...	8'379	- 36'273	- 5	...	...	...	2'054	+ 47'386	- 3	A m	...	*	4'644	- 45'341	1'00	44.7494	9'8
...	- 8'057	- 56'095	- 4	...	...	...	- 2'022	- 37'548	- 5	...	...	...	+ 4'764	- 14'808	0'70	...	...
*	7'958	- 21'563	1'20	44.7485	9'4	†	1'620	- 4'748	0'65	...	...	...	4'991	+ 3'578	0'70	B m	...
*	7'904	- 48'024	1'35	44.7484	9'6	...	1'559	- 19'283	- 3	m	...	*	5'252	+ 41'793	1'10	43.7177	10'2
...	7'880	- 36'613	- 5	...	...	...	1'357	- 10'541	- 4	...	...	*	5'498	+ 16'452	1'00	43.7178	10'2
*	7'875	+ 28'854	1'00	43.7165	9'8	...	1'188	- 33'579	- 5	...	...	...	5'702	- 18'319	1'00	44.7495	10'2
431	- 7'850	+ 59'162	- 2	...	...	491	- 1'096	- 23'358	1'80	44.7490	8'6	551	+ 5'971	+ 0'143	- 4	f	...
...	7'773	+ 6'828	- 5	M	...	...	0'778	+ 50'958	- 3	m	...	†	5'978	- 9'705	1'00	44.7496	9'6
...	7'762	- 19'963	0'65	...	...	...	0'747	+ 44'183	- 4	m	...	...	6'050	- 49'557	0'75	...	...
*	7'725	+ 28'008	1'40	43.7166	9'4	...	0'735	- 2'772	- 5	...	...	...	6'382	- 21'169	0'90	...	...
...	7'716	- 18'049	- 5	...	...	...	0'717	+ 1'577	- 4	M m	...	*	6'544	+ 59'663	1'60	42.7107	8'9
...	- 7'592	+ 48'707	0'85	...	...	...	- 0'640	- 32'977	- 5	m	...	...	+ 6'547	+ 20'363	- 5	m	...
...	7'503	+ 48'763	- 5	M	...	...	0'444	- 40'306	- 4	...	...	...	6'625	+ 17'456	0'80	...	...
...	7'477	- 26'788	- 3	...	...	†	0'400	+ 20'577	0'65	m	...	...	6'635	- 33'334	- 5	...	...
†	7'322	- 49'639	- 1	...	...	...	0'261	- 51'060	- 5	...	...	...	7'029	- 55'333	- 1	...	...
...	7'178	- 6'760	- 1	...	...	...	0'231	+ 50'647	0'70	A m	...	...	7'340	+ 34'320	- 1	...	...
441	- 7'064	+ 32'447	1'10	43.7168	9'8	501	- 0'173	+ 22'720	0'75	...	...	...	+ 7'626	+ 24'640	- 4	m	...
*	7'012	- 3'706	4'50	43.7167	7'2	...	- 0'111	- 17'329	- 5	...	...	...	7'642	+ 36'961	- 5	m	...
...	6'883	+ 32'415	- 1	...	...	...	+ 0'078	+ 51'562	- 1	A m	...	...	7'703	+ 49'823	- 5	m	...
...	6'845	+ 25'217	- 5	M	...	S *	0'464	+ 26'888	1'80	43.7173	9'0	...	7'719	- 47'579	0'75	...	...
...	6'739	+ 45'732	- 5	M	...	...	0'500	- 2'357	0'75	...	...	*	8'164	- 25'616	1'20	44.7497	9'4
...	- 6'727	+ 5'311	- 1	...	...	...	+ 0'506	- 0'215	- 5	M	...	...	+ 8'316	- 55'916	- 1	...	...
...	6'678	- 1'655	- 2	...	...	...	0'536	+ 17'573	1'05	43.7172	9'9	...	8'475	- 55'652	0'90	...	...
...	6'534	- 22'944	- 3	...	...	*	0'678	- 20'388	1'00	44.7491	9'8	*	8'530	+ 21'908	1'10	43.7179	9'6
...	6'523	- 5'156	- 5	...	...	...	0'874	+ 20'329	- 5	M m	...	...	8'534	+ 50'340	- 5	m	...
...	6'306	- 57'436	1'00	...	...	...	0'895	- 23'523	- 5	...	...	...	8'554	+ 9'018	- 5	m	...
451	- 6'060	- 26'327	1'20	44.7486	9'6	511	+ 1'261	- 26'530	- 5	...	...	571	+ 8'618	- 1'934	0'65	...	...
...	5'872	+ 48'859	- 1	...	...	...	1'359	- 34'470	- 3	...	...	†	8'707	- 39'656	- 4	...	...
...	5'720	+ 12'871	0'75	...	...	...	1'416	- 51'113	- 4	...	...	*	8'878	- 53'787	1'00	...	...
...	5'526	- 14'353	- 3	...	...	...	1'460	- 31'929	0'90	...	...	...	8'994	- 50'551	0'90	...	...
*	5'508	- 8'454	1'10	44.7487	9'7	S *	1'588	- 13'450	2'00	44.7492	8'4	...	9'123	+ 14'022	1'50	43.7180	9'4
†	- 5'318	- 32'568	0'80	...	...	...	+ 1'905	- 42'619	- 5	...	...	...	+ 9'164	+ 18'234	- 5	m	...
†	5'315	- 33'090	- 1	A a	...	...	2'134	- 46'497	- 4	...	...	*	9'326	- 21'873	1'00	44.7498	10'2
S †	5'293	+ 43'248	2'00	43.7169	7'9	...	2'229	+ 53'802	0'85	...	...	...	9'413	- 14'048	- 4	...	...
†	5'105	+ 0'225	- 3	F f	...	...	2'248	- 42'198	0'85	...	...	†	9'612	+ 22'907	1'00	...	...
...	5'032	- 5'214	0'65	...	...	...	2'472	- 13'987	- 4	...	...	†	9'899	- 22'852	0'80	...	...
461	- 4'640	- 25'832	1'00	44.7488	10'2	521	+ 2'804	- 28'267	- 5	...	...	581	+ 9'939	- 7'559	0'90	...	...
...	4'473	+ 28'386	- 1	m	...	...	2'909	- 44'873	- 4	...	...	*	9'965	+ 41'758	1'00	...	...
...	4'267	- 51'408	0'90	...	...	...	3'055	- 30'350	0'70	...	...	...	10'049	- 49'042	0'70	...	...
S *	4'242	+ 19'379	3'00	43.7170	7'0	...	3'079	- 32'729	0'70	...	...	...	10'155	+ 23'362	- 5	m	...
...	4'185	- 15'689	- 4	...	...	...	3'249	+ 35'566	- 3	A m	...	...	10'260	+ 42'280	- 5	m	...
...	- 4'148	- 30'893	- 4	...	...	...	+ 3'334	+ 13'742	- 1	B m	...	...	+ 10'303	+ 16'968	- 4	m	...
...	4'130	+ 45'220	0'90	...	...	...	3'347	+ 60'013	- 2	...	...	...	10'508	- 16'211	- 3	...	...
...	3'574	+ 44'526	- 4	m	...	*	3'467	- 1'937	3'00	43.7174	7'4	...	10'516	- 45'796	- 3	...	...
...	3'417	- 7'428	- 4	...	...	...	3'627	+ 22'392	0'70	A m	...	...	10'542	- 2'610	- 2	...	...
*	3'372	- 57'788	1'60	44.7489	8'8	...	3'686	- 43'255	- 5	...	...	*	10'554	- 40'834	1'05	44.7499	10'1
471	- 3'334	- 14'598	- 2	...	...	531	+ 3'701	+ 23'063	- 5	M m	...	591	+ 10'560	- 20'818	- 5	...	...
...	2'957	+ 53'373	- 3	B m	...	...	3'748	+ 19'932	0'80	...	...	...	10'742	- 4'952	- 1	...	...
...	2'904	- 49'975	- 3	...	...	...	3'753	- 28'672	- 5	...	...	...	10'797	+ 59'347	- 5	m	...
...	2'877	- 59'169	- 4	...	...	...	3'785	+ 59'368	- 3	...	...	...	10'887	- 29'395	- 5	...	...
...	2'840	- 52'390	- 3	...	...	...	3'921	+ 42'517	0'70	...	...	...	10'905	- 12'940	- 5	...	...
...	- 2'817	- 24'935	- 5	M m	...	...	+ 4'047	- 50'927	1'00	44.7493	10'2	*	+ 11'069	+ 40'565	1'50	43.7181	9'4
...	2'811	+ 43'211	- 5	M m	...	...	4'064	+ 58'883	0'65	...	...	...	11'090	- 10'527	- 1	...	...
*	2'803	+ 51'985	1'00	...	...	...	4'130	+ 39'588	0'95	...	...	...	11'124	- 27'575	0'65	...	...
...	2'596	- 42'194	- 5	...	...	...	4'183	- 32'879	- 5	...	...	...	11'194	+ 51'130	- 4	m	...
...	2'379	+ 54'119	- 1	m	...	...	4'192	- 0'216	- 5	M m	...	†	11'285	- 39'633	0'90	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
601-660						661-720						721-780					
601	+11.757	+30.415	-2	h	...	661	+17.291	-16.207	-5	o	...	721	+22.716	-49.559	-1	o	...
...	11.865	+35.802	0.90	...	...	...	17.403	+44.871	1.00	...	...	...	22.790	-8.727	-5	...	...
...	11.870	-49.162	0.80	...	...	...	17.429	+8.250	-5	m	...	...	23.044	-18.057	0.75	...	...
*	11.898	+21.932	1.00	...	...	...	17.526	-57.534	0.80	...	...	*	23.117	+59.659	1.10	...	...
*	11.914	-20.360	1.00	44.7506	10.2	...	17.617	-42.151	-1	...	...	...	23.126	-46.923	-4	...	...
...	+12.030	-35.903	-3	...	...	...	+17.702	-57.791	-5	...	...	...	+23.159	-13.427	-5	...	...
...	12.150	+52.947	0.90	...	...	*	17.838	+39.898	1.00	...	...	*	23.328	-51.066	1.10	44.7506	10.2
...	12.412	+59.710	-5	m	...	...	17.843	+31.915	-5	m	...	...	23.419	+27.864	0.70	...	...
...	12.524	+5.367	-4	m	...	...	17.863	+11.523	-5	m	...	...	23.475	+55.772	-4	m	...
...	12.539	+1.391	-3	m	...	...	17.971	-28.063	-5	...	...	...	23.517	+50.625	0.90	...	...
611	+12.560	-21.950	-4	...	...	671	+17.980	-9.330	-2	...	...	731	+23.579	-53.354	0.75	...	...
...	12.580	-12.104	-3	...	...	...	18.271	-25.479	-2	...	...	*	23.664	+31.442	1.10	43.7192	9.8
*	12.588	+54.168	1.10	43.7182	10.1	...	18.423	+9.513	-2	b	...	...	23.685	+59.301	-5	...	...
...	12.588	-47.068	-4	...	...	...	18.459	-20.275	0.90	...	...	*	23.702	+27.810	1.50	43.7193	9.2
...	12.807	-55.913	-4	...	...	...	18.530	+48.117	0.75	...	...	...	23.724	-18.240	-5	...	...
...	+13.034	+17.556	-3	m	...	...	+18.558	-21.221	-3	...	...	...	+23.930	-53.078	0.85	...	...
*	13.047	-40.452	1.00	...	...	...	18.560	-38.517	0.90	...	...	...	24.019	+30.194	-4	m	...
*	13.091	+30.242	1.00	43.7183	10.1	...	18.577	+3.202	0.95	...	...	...	24.082	-5.061	0.75	...	...
...	13.145	-59.532	-4	...	...	...	18.670	+48.335	0.80	...	...	...	24.637	+55.800	-5	...	...
...	13.193	-46.271	-1	...	...	...	18.735	+54.760	-1	...	...	...	24.692	+29.187	0.80	...	...
621	+13.240	+31.316	-3	m	...	681	+18.845	+33.961	1.40	43.7187	9.4	741	+24.778	-27.681	-5	...	...
*	13.259	+37.409	1.00	43.7184	10.2	...	18.933	-36.916	-4	...	...	...	24.846	-5.705	-5	...	...
...	13.293	-48.269	-1	...	...	...	18.966	-9.380	-2	...	...	...	24.944	-57.261	-5	...	...
...	13.521	-27.098	-5	...	...	...	19.044	-47.028	-5	...	...	...	25.057	+14.364	-3	m	...
...	13.683	-45.485	-5	...	...	*	19.084	-33.511	1.10	44.7503	9.6	...	25.121	-47.900	-3	...	...
...	+13.690	+9.785	-5	m	...	...	+19.199	-52.938	-3	...	...	...	+25.128	+27.127	-5	m	...
...	14.123	+53.264	-1	...	...	...	19.232	+6.976	0.70	b	...	...	25.200	+56.837	-5	m	...
...	14.139	+50.755	0.65	...	...	†	19.241	+30.134	-3	m	...	...	25.625	-35.996	0.80	...	...
...	14.338	-36.088	-5	m	...	...	19.248	-44.214	0.95	...	...	...	25.636	+31.799	0.65	...	...
...	14.361	+5.060	-4	m	...	...	19.341	+54.153	-3	m	...	...	25.807	+19.214	0.70	...	...
631	+14.392	+54.330	-2	...	...	691	+19.364	+1.171	-4	m	...	751	+25.858	-47.172	1.00	...	...
*	14.478	+48.040	1.20	43.7185	9.8	...	19.375	+44.767	-3	m	...	...	25.937	-29.623	-5	...	...
†	14.742	-14.777	-3	...	...	...	19.394	-13.607	0.85	...	...	...	25.951	+59.033	0.65	...	...
...	14.796	+32.487	-4	m	...	†	19.497	+0.169	-4	m	...	...	25.954	+7.556	-4	m	...
...	14.876	+39.711	-5	m	...	...	19.658	-5.887	-5	...	...	...	26.040	-24.433	-5	...	...
...	+15.004	-29.338	-3	...	...	...	+19.898	+52.216	-1	...	...	*	+26.090	-29.389	1.00	44.7507	9.6
...	15.209	-18.566	-5	...	...	...	19.941	+42.101	-5	m	...	...	26.127	-12.865	0.75	...	...
...	15.450	-49.551	0.65	...	...	...	20.056	-45.399	0.95	...	...	...	26.156	-49.095	-5	...	...
...	15.578	+10.622	-5	m	...	...	20.102	+34.573	0.80	...	...	†	26.349	-34.654	-3	...	...
...	15.596	-43.287	0.90	...	...	*	20.111	+7.921	1.10	43.7188	9.8	...	26.375	-32.640	0.90	...	...
641	+15.663	+0.422	-5	m	...	701	+20.127	+45.241	-5	m	...	761	+26.477	-8.797	0.70	...	...
...	15.916	+11.977	-5	m	...	...	20.233	+1.703	-5	m	...	...	26.615	-45.611	-4	...	...
...	15.972	+59.852	-4	m	...	...	20.783	+41.258	0.65	a	...	...	26.649	-46.607	-5	...	...
...	15.972	+58.734	1.00	...	...	...	20.952	+21.939	-5	m	...	...	26.671	-32.874	0.90	...	...
*	15.994	+54.943	-5	m	...	*	20.985	-53.716	1.40	44.7504	9.6	*	26.754	-31.035	1.00	44.7508	9.9
...	+16.003	-21.211	1.10	44.7502	9.8	...	+21.103	-24.180	-5	...	...	...	+26.827	+46.434	-4	...	...
...	16.086	-38.541	0.85	...	...	...	21.125	-36.842	0.70	...	...	...	26.828	+36.958	0.80	...	...
*	16.182	+9.997	1.00	43.7186	10.2	...	21.168	+17.496	0.80	...	...	...	26.868	-19.095	0.85	...	...
...	16.190	+23.738	0.90	...	...	...	21.403	+9.416	0.80	...	...	...	26.962	+22.180	-4	m	...
...	16.260	+45.412	0.75	...	...	...	21.454	-31.300	0.80	...	...	...	26.991	+46.755	-4	...	...
651	+16.267	+46.520	0.85	...	...	711	+21.580	+48.811	1.60	43.7189	9.0	771	+27.025	+56.687	0.70	...	...
...	16.346	-3.470	-2	...	...	*	21.655	+54.008	1.15	43.7190	9.9	...	27.285	-6.189	-4	...	...
...	16.394	-11.388	-5	...	...	*	21.770	+26.706	1.05	...	...	...	27.330	+0.337	0.80	α	...
...	16.556	+51.695	-4	m	...	*	22.263	+28.141	1.40	43.7191	9.2	...	27.345	-56.151	-4	...	...
...	16.837	+57.094	-5	m	...	...	22.267	-48.835	-4	...	...	...	27.562	-58.449	0.90	...	...
...	+16.950	+48.246	-5	m	...	...	+22.352	-47.115	-5	...	...	...	+27.662	+8.024	0.75	...	...
...	16.968	-14.120	-5	...	...	...	22.368	-58.987	0.95	...	...	...	28.022	-39.467	-5	m	...
*	17.095	+48.644	1.00	...	...	...	22.389	+8.173	0.85	...	...	*	28.039	+49.733	2.00	43.7194	8.8
†	17.284	+25.171	-5	m	...	...	22.441	-35.577	-5	...	...	*	28.119	-17.692	1.05	44.7509	10.0
...	17.290	-20.332	-5	...	...	*	22.498	-14.985	1.10	44.7505	9.5	...	28.170	-36.150	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
781-840						841-900						901-960					
781	+28·186	+45·829	1·10	43·7195	10·0	841	+34·976	-34·379	0·80	...	...	901	+40·029	-36·992	0·80	...	...
...	28·313	-12·951	-5	...	...	...	35·059	+53·417	-3	...	...	...	40·051	-30·901	-5	...	...
...	28·330	-47·247	-5	...	...	...	35·094	-27·628	0·65	...	...	...	40·166	+17·173	0·70	a	...
...	28·360	+37·648	-3	m	...	*	35·105	+14·563	1·00	43·7201	10·2	...	40·448	-6·690	0·85	...	...
...	28·553	-53·198	-5	...	...	...	35·166	-15·834	-3	...	...	...	40·610	+22·694	-5	m	...
...	+28·565	+8·360	1·00	43·7197	10·2	...	+35·294	+57·378	0·90	...	...	...	+40·622	-36·220	0·95	...	...
...	28·600	+27·819	-5	m	...	*	35·306	+28·455	1·15	43·7203	9·8	*	40·631	+38·835	1·05	43·7208	9·8
...	28·619	+50·256	1·15	43·7196	10·0	...	35·371	-36·287	-5	...	...	...	40·656	+42·324	-4	m	...
...	28·806	-17·559	0·70	...	...	...	35·388	-7·125	-5	...	...	...	40·853	+59·812	-4	...	...
...	28·840	-58·985	1·05	...	...	*	35·464	+54·626	1·40	43·7202	9·9	...	40·876	+13·928	-4	m	...
791	+28·853	-22·036	-5	...	...	851	+35·648	+11·074	-5	m	...	911	+41·010	+46·225	1·05	43·7209	10·0
...	28·924	-33·426	0·85	...	...	...	35·666	-51·452	-5	...	...	...	41·053	+1·451	-5	m	...
*	28·931	-10·824	1·10	44·7510	9·8	...	35·715	+21·683	-2	b	...	...	41·147	+23·895	0·75	...	...
...	29·341	+11·539	1·00	...	...	...	35·787	-55·186	-5	...	...	...	41·152	+35·599	-5	m	...
...	29·405	+50·279	0·90	...	...	...	35·958	-39·362	-3	...	...	...	41·159	-34·094	0·95	...	...
...	+29·440	-15·449	-5	...	...	...	+36·262	+58·158	-5	m	...	...	+41·203	-47·897	-5	...	...
...	29·929	+29·032	-3	m	...	...	36·234	+47·682	-5	m	...	...	41·285	+27·827	-5	m	...
...	30·090	+37·141	0·75	...	...	*	36·271	-47·504	1·00	44·7519	10·2	...	41·394	+42·016	-5	m	...
...	30·211	-41·433	1·10	44·7511	9·5	*	36·306	+49·509	1·10	43·7204	10·2	...	41·462	-1·193	-3	...	...
...	30·227	+50·305	0·90	...	...	...	36·396	-57·904	-5	...	...	...	41·581	+46·116	-5	...	...
801	+30·251	+40·103	0·85	...	...	861	+36·553	-31·614	0·95	...	...	921	+41·631	+49·805	0·70	...	...
...	30·340	-42·519	0·70	...	...	...	36·841	+12·497	0·65	...	...	...	41·696	-19·249	-5	...	...
...	30·341	-26·889	-5	...	...	*	36·938	-37·475	1·60	44·7520	9·4	...	42·179	-58·781	-5	...	...
*	30·378	-57·229	1·40	44·7512	9·9	...	37·094	+17·756	-1	b	...	...	42·288	-35·925	-5	...	...
...	30·409	+18·300	0·80	...	...	...	37·213	-41·414	-5	...	...	...	42·337	-44·907	-5	...	...
...	+30·679	+59·763	-4	...	...	...	+37·242	-10·838	-5	...	...	*	+42·541	-18·069	3·00	44·7525	7·4
...	30·740	+14·615	0·75	...	...	...	37·243	+8·480	-5	m	...	...	42·698	+26·639	-5	m	...
...	30·765	-8·914	0·70	...	...	*	37·346	-35·054	1·35	44·7521	9·6	...	42·784	-29·152	0·85	...	...
...	30·817	+59·376	0·80	...	...	...	37·501	+12·804	-4	m	...	*	42·811	-20·775	1·80	44·7526	8·6
...	30·895	+58·401	1·00	...	...	*	37·776	-52·936	1·15	44·7522	9·8	...	43·146	-7·316	-5	...	...
811	+31·014	-21·432	1·80	44·7513	8·6	871	+37·835	-34·280	-1	...	...	931	+43·249	-11·162	-3	...	...
...	31·153	+16·058	-5	m	...	S*	38·027	+4·529	2·60	43·7206	7·7	...	43·431	+29·280	-5	m	...
...	31·466	+37·098	-1	...	...	...	38·042	-36·529	1·10	44·7523	9·8	...	43·482	+6·401	-5	m	...
...	31·552	+28·168	-3	m	...	...	38·117	+36·197	-1	...	...	...	43·493	-6·922	-5	...	...
...	31·899	+42·245	-2	...	...	...	38·118	-25·307	-1	...	...	...	43·589	+24·636	-5	m	...
*	+31·980	-46·097	1·30	44·7514	9·5	...	+38·172	+24·906	-5	m	...	...	+43·666	+36·287	0·80	...	...
*	32·012	+2·624	1·10	43·7198	9·8	*	38·184	+2·013	3·40	43·7207	7·2	†	43·723	-29·650	-1	...	...
*	32·085	-47·410	1·40	44·7515	9·4	...	38·248	+44·513	-5	m	...	...	43·840	+56·399	-2	...	...
*	32·350	-28·047	1·00	44·7516	10·2	*	38·301	+48·948	2·10	43·7205	8·4	...	43·900	-14·899	-3	...	...
...	32·680	+28·881	-4	m	...	*	38·316	-27·474	-4	...	...	...	43·951	-31·899	1·00	...	...
821	+33·096	-26·210	-1	...	...	881	+38·343	-5·774	-5	...	...	941	+44·046	-25·988	0·80	...	...
S*	33·208	+42·377	2·70	43·7199	7·2	...	38·644	-22·947	0·80	...	...	...	44·046	-58·876	-4	...	...
*	33·211	-13·321	1·05	44·7517	9·6	...	38·666	-3·512	0·90	...	...	*	44·074	-17·199	2·50	44·7527	8·6
...	33·239	+46·779	0·90	...	...	...	38·684	+0·621	0·65	...	...	...	44·116	+19·667	0·65	...	...
...	33·353	+28·897	-5	m	...	...	38·732	+5·818	-5	m	...	*	44·211	+8·353	1·10	43·7210	9·8
...	+33·564	-50·691	-4	...	...	...	+38·929	+22·937	0·90	...	...	...	+44·213	-21·746	0·75	...	...
*	33·770	+59·810	1·30	42·7129	9·3	...	38·956	-9·691	-2	...	...	...	44·304	-1·098	-3	...	...
...	33·916	+50·281	0·85	...	...	...	39·019	-48·810	-5	...	...	...	44·304	-1·098	-3	...	...
...	33·933	-37·146	-3	...	...	...	39·078	-1·782	-1	...	...	...	44·916	+8·109	0·95	...	...
*	34·010	-4·861	1·00	43·7200	10·2	...	39·098	+4·028	-5	m	...	...	44·974	-29·942	-5	...	...
831	+34·112	+28·583	0·90	...	...	891	+39·158	+3·927	-2	b	...	951	+45·227	+35·870	-5	m	...
...	34·161	-32·433	-1	...	...	...	39·203	-51·145	-5	...	...	...	45·367	-49·961	-5	...	...
...	34·224	-5·935	-5	...	...	...	39·400	+6·406	0·80	a	...	...	45·393	-12·228	0·70	...	...
...	34·316	+47·195	-5	m	...	...	39·675	-54·674	-5	...	...	...	45·451	-21·032	-5	...	...
...	34·340	-22·687	-4	...	...	...	39·780	-19·776	0·80	...	...	...	45·539	+30·517	0·70	...	...
S†	+34·492	-41·773	2·40	44·7518	7·8	...	+39·793	-47·632	-5	...	...	*	+46·062	+27·106	1·00	...	...
...	34·578	-16·668	-2	...	...	*	39·931	-59·137	1·50	44·7524	9·5	...	46·135	-26·954	0·65	...	...
...	34·683	+17·937	-5	m	...	...	39·955	+11·286	0·80	...	...	...	46·153	+51·572	-5	m	...
...	34·751	-2·264	0·90	...	...	...	39·973	-27·183	-1	...	...	...	46·160	-18·252	0·65	...	...
...	34·932	-18·870	-3	...	...	...	39·990	+35·808	0·80	...	...	...	46·172	-40·415	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
961-1010						1011-1060						1061-1089						
961	...	...	...	...	...	1011	...	...	...	...	...	1061	...	...	...	...	...
S *	+46.251	-57.683	-5	...	...	...	+50.688	-1.908	-4	...	...	N	+55.997	-29.468	0.90	...	...
...	46.271	-20.109	4.80	44.7529	6.1	...	50.755	+6.747	-4	m	...	...	56.016	+36.017	-5	...	...
...	46.436	+51.270	-1	...	...	...	50.778	+22.208	-3	m	...	...	*	56.258	-31.152	1.05	44.7541	10.2
...	46.550	-49.827	0.90	...	...	...	50.835	+20.961	-4	m	...	...	*	56.639	+24.095	1.90	43.7219	8.7
...	46.731	+28.490	0.70	...	...	...	50.858	+6.964	0.70	...	...	...	...	56.763	+14.505	-2	...	...
...	+47.059	-5.594	0.80	...	...	*	+50.921	-14.975	1.00	44.7534	10.2	...	...	+56.767	-25.213	0.80	...	...
...	47.089	-2.152	-1	...	...	...	50.960	-56.856	1.05	44.7535	10.2	...	...	56.792	-54.343	-1	...	...
†	47.138	-24.668	0.80	...	...	*	51.020	+37.363	1.00	...	...	...	...	56.852	-14.310	-4	...	...
...	47.288	+28.715	0.95	...	...	...	51.225	+0.006	-4	m	...	...	...	56.890	-51.109	-5	...	...
...	47.499	-4.244	-5	...	...	*	51.228	+48.090	1.80	43.7213	9.2	...	...	56.983	-1.263	-5	m	...
971	...	...	...	...	...	1021	...	...	...	...	...	1071	...	...	...	...	...	...
...	+47.560	-51.425	0.95	...	...	...	+51.516	+9.854	-4	m	...	...	...	+57.013	-5.863	-5	...	...
...	47.581	-12.705	-5	...	...	...	51.558	+4.163	0.90	...	...	...	...	57.053	+16.276	-5	m	...
...	47.598	-10.927	-5	...	...	...	51.763	-11.333	-5	...	...	...	...	57.278	+24.301	-4	m	...
*	47.704	-36.446	1.20	44.7530	9.8	...	51.911	+20.564	-3	m	...	...	...	57.361	-58.023	-4	...	...
...	47.793	+28.352	0.75	a	...	...	51.990	+6.436	0.75	...	...	...	*	57.604	-16.870	1.00	44.7542	10.2
...	+47.868	-19.882	-5	...	...	...	+52.012	-56.311	-5	...	...	...	...	+57.697	-53.212	0.95	44.7544	10.2
...	48.049	+47.359	0.80	...	...	...	52.102	-14.674	-3	...	...	...	...	57.852	+43.469	-4	m	...
...	48.068	-1.513	-3	...	...	...	52.120	+5.032	-1	b	...	...	...	57.907	-18.750	0.80	...	...
...	48.180	-46.499	-4	...	...	...	52.200	-46.652	-5	...	...	...	...	58.441	-13.912	-5	...	...
*	48.232	+0.575	1.40	43.7211	9.2	...	52.254	-14.632	-3	...	...	...	...	58.520	+14.654	0.85	...	...
981	...	...	...	...	...	1031	...	...	...	...	...	1081	...	...	...	...	...	...
...	+48.371	+36.198	-5	m	...	*	+52.319	-20.484	1.40	44.7537	9.4	...	...	+58.525	+10.999	-5	m	...
...	48.414	+50.797	-2	...	...	*	52.556	+46.711	1.15	43.7214	10.1	...	...	58.607	-37.258	-5	...	...
...	48.440	-5.292	0.70	...	...	...	52.653	-8.749	-5	...	...	...	...	58.668	-50.568	1.20	44.7546	9.8
...	48.457	-0.927	-5	...	...	*	52.832	+18.290	1.00	43.7215	10.2	...	...	58.729	+16.493	-5	m	...
...	48.471	-25.588	-5	...	...	*	52.983	-57.478	1.50	44.7538	9.5	*	...	58.980	-0.968	1.10	43.7220	10.0
...	+48.519	+43.787	-3	b	...	...	+53.347	+57.174	0.95	...	...	...	...	+59.214	-13.205	-5	...	...
...	48.639	-5.692	-5	...	...	...	53.610	-6.907	-2	...	...	...	...	59.251	-19.967	0.70	...	...
...	48.647	+55.539	-5	m	...	...	53.675	-39.043	0.80	...	...	...	*	59.255	+12.674	1.10	43.7221	10.0
...	48.778	+23.124	-5	m	...	...	53.834	+22.468	-5	m	...	...	...	59.383	+56.514	-4	...	...
...	48.872	-4.446	-5	...	...	...	53.876	+26.552	-4	m	...	...	...	...	...	...	...	...
991	...	...	...	...	...	1041	...	...	...	...	...	...	...	...	...	...	...	...
...	+48.987	+16.232	-5	m	...	†	+53.987	-29.646	0.70	...	...	...	...	...	...	...	...	...
...	49.037	+24.132	-5	m	...	...	54.059	+20.332	-5	m	...	...	...	...	...	...	...	...
*	49.071	-58.395	1.50	44.7532	9.4	*	54.120	-5.680	1.20	44.7539	9.6	...	...	...	...	...	...	...
...	49.120	-33.091	-5	...	...	*	54.291	+32.591	1.80	43.7216	9.2	...	...	...	...	...	...	...
*	49.135	-28.977	1.10	44.7531	9.8	...	54.306	+13.917	-4	m	...	...	...	...	...	...	...	...
...	+49.141	+42.168	-5	m	...	†	+54.481	+37.116	0.75	...	...	...	...	...	...	...	...	...
*	49.280	+19.116	1.00	43.7212	10.2	†	54.498	+11.207	0.65	...	...	...	...	...	...	...	...	...
...	49.341	+42.503	-4	...	...	...	54.556	+47.512	-4	m	...	...	...	...	...	...	...	...
...	49.351	+33.166	0.70	...	...	...	54.715	+49.769	0.90	...	...	...	...	...	...	...	...	...
...	49.352	+39.351	-5	m	...	...	54.826	-10.048	0.90	...	...	...	...	...	...	...	...	...
1001	...	...	...	...	...	1051	...	...	...	...	...	...	...	...	...	...	...	...
*	+49.394	-32.559	1.80	44.7533	8.6	...	+54.931	+28.672	-1	...	...	...	...	...	...	...	...	...
†	49.453	-40.811	-1	...	...	†	54.947	-19.761	0.90	...	...	...	...	...	...	...	...	...
...	49.539	+3.689	-5	m	...	*	55.073	+31.838	1.00	43.7217	10.2	...	...	...	...	...	...	...
†	49.540	+52.140	-1	...	...	...	55.123	-53.508	0.65	...	...	...	...	...	...	...	...	...
...	49.556	-7.457	-3	...	...	*	55.346	+43.560	1.50	43.7218	9.8	...	...	...	...	...	...	...
...	+49.814	-20.326	-5	...	...	...	+55.520	+7.047	-5	m	...	...	...	...	...	...	...	...
...	50.007	+24.689	-4	m	...	...	55.527	-53.125	-4	...	...	...	...	...	...	...	...	...
...	50.206	-0.387	-4	...	...	*	55.642	-12.682	2.00	44.7540	8.6	...	...	...	...	...	...	...
...	50.280	-13.414	-3	...	...	...	55.665	-13.416	-5	...	...	...	...	...	...	...	...	...
...	50.671	+22.362	-4	m	...	...	55.755	+7.267	0.65	b	...	...	...	...	...	...	...	...

1061. 44°·94, 44°·95, no sign of duplicity; 45°·94, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
1	-60.052	-24.885	-3	...	...	61	-46.205	-36.615	-5	...	...	121	-30.883	-19.958	-1	44.7561	10.1
†	59.864	-50.039	-3	...	...	...	46.068	-17.493	-4	...	...	...	30.465	-19.235	-1	44.7563	10.2
*	59.712	+0.397	2.00	43.7211	9.2	...	45.653	-25.743	-5	...	...	...	30.393	-34.229	0.80	44.7562	9.9
...	59.585	+32.995	-5	...	...	...	45.562	-16.094	-4	...	...	...	30.363	+22.040	-5	...	...
...	59.323	+5.479	-5	...	...	...	45.517	+42.163	-4	...	...	...	30.284	+18.434	-4	...	...
...	-59.224	+18.945	0.80	43.7212	10.2	...	-44.692	+21.324	0.70	43.7224	10.2	...	-30.116	+34.457	1.00	43.7238	9.8
...	59.125	-36.640	0.95	44.7530	9.8	S †	44.690	-40.000	2.40	44.7547	8.0	...	29.487	-33.612	0.75	44.7564	10.0
...	58.821	-51.623	-1	...	...	...	44.577	+30.713	-5	...	...	S *	29.266	+12.121	2.80	43.7239	7.9
*	58.150	+47.984	1.80	43.7213	9.2	...	44.205	+37.978	-4	...	...	...	28.860	-22.901	-2	...	...
...	58.039	+37.250	0.80	...	...	*	44.101	+46.018	1.30	43.7226	9.2	...	28.829	-12.919	0.90	43.7247	9.6
11	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-57.923	-29.137	0.95	44.7531	9.8	...	-43.916	+3.765	-5	B	...	...	-28.599	+54.857	0.90	43.7242	9.9
*	57.556	-32.701	2.00	44.7533	8.6	...	43.888	+28.564	0.90	43.7225	9.9	S *	28.578	+41.301	1.90	43.7241	8.4
...	57.279	+6.856	-5	...	...	...	43.598	+55.421	-2	...	...	...	28.398	-47.520	-5	...	...
...	57.236	-40.960	-5	...	...	†	43.418	+4.740	2.60	43.7227	8.0	...	28.389	+6.973	-4	...	...
*	57.089	-58.528	1.60	44.7532	9.4	†	42.955	+49.669	1.60	43.7229	9.2	...	26.839	-40.348	-4	...	...
...	-56.799	+46.637	1.00	43.7214	10.1	*	-42.942	-37.572	2.00	44.7548	8.4	*	-26.661	+42.587	1.80	43.7243	9.0
†	56.554	-15.060	0.80	44.7534	10.2	...	42.440	+3.702	0.85	43.7228	9.6	...	26.153	+9.180	-5	...	...
...	56.497	+4.079	-3	...	...	...	42.436	+51.200	0.90	43.7230	9.9	...	25.972	+29.896	-4	...	...
...	56.289	+57.124	-1	...	...	...	42.274	+0.372	-5	...	...	*	25.709	+22.226	1.35	43.7244	6.2
...	56.138	+6.364	-5	...	...	...	42.129	+49.568	-5	...	...	...	25.469	+52.520	-5	...	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-55.643	+18.234	0.90	43.7215	10.2	...	-41.933	-38.997	-3	...	...	...	-25.447	+33.581	1.00	43.7246	9.8
...	55.239	-56.938	0.75	44.7535	10.2	...	41.835	+10.388	0.80	43.7231	10.1	...	25.444	-21.470	-2	...	...
*	54.990	-20.533	1.30	44.7537	9.4	...	41.389	-20.284	-3	...	...	†	25.229	+13.976	-3	43.7245	10.2
†	54.709	+49.764	-2	...	...	...	41.227	-55.269	0.90	44.7549	9.6	†	25.181	-26.434	0.80	44.7566	9.8
*	54.630	+32.575	1.80	43.7216	9.2	...	40.999	-1.781	-2	...	...	...	24.843	-28.858	-4	...	...
...	-54.576	+37.103	-3	...	...	...	-39.987	+37.829	0.90	43.7232	9.9	*	-24.658	+16.012	2.60	43.7247	8.4
...	53.901	+43.576	1.15	43.7218	9.8	...	39.941	+32.940	-1	...	...	S *	24.501	+15.755	2.50	44.7567	8.4
...	53.852	+28.671	-5	...	...	*	39.643	-24.019	1.60	44.7550	8.8	...	24.441	+28.114	-2	...	...
...	53.821	+31.849	0.75	43.7217	10.2	*	39.383	-15.650	1.40	44.7552	9.0	...	24.395	-29.769	-4	...	...
...	53.784	+11.213	-5	...	...	...	39.329	+4.094	0.65	43.7233	10.2	...	24.392	+19.217	0.90	43.7248	9.9
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
*	-53.632	-5.684	1.00	44.7539	9.6	...	-39.117	+28.468	-5	B	...	...	-24.230	-33.194	0.80	44.7568	10.0
...	53.198	-57.498	1.45	44.7538	9.5	†	39.090	-10.117	-4	...	...	*	24.088	-43.180	1.00	44.7569	9.6
...	53.076	-39.051	-5	...	...	...	38.979	+28.948	0.70	...	...	...	23.697	+51.161	-4	...	...
...	53.045	-29.632	-3	...	...	...	38.919	-58.006	-1	44.7551	10.2	...	23.270	+38.829	0.85	43.7249	10.2
...	52.795	-10.017	-3	...	...	...	37.494	+49.839	-2	43.7234	10.2	*	23.143	-39.113	2.00	44.7570	8.5
...	-52.375	-19.726	-1	...	...	...	-36.605	-35.182	-4	...	...	...	-22.939	-41.461	-2	44.7571	10.1
*	52.011	+24.157	2.00	43.7219	8.7	...	36.433	-57.524	1.00	44.7554	9.6	...	22.600	-45.911	-5	...	...
*	51.893	-12.638	2.10	44.7540	8.6	...	36.190	-24.237	-4	...	...	N †	22.334	-44.997	-4	...	...
...	51.195	-53.403	-4	...	...	...	36.162	-27.444	0.80	44.7555	10.0	...	21.989	-44.094	-3	...	...
N	51.042	-29.402	-1	...	...	...	36.061	-21.061	-4	...	...	...	21.915	-51.650	-5	...	...
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-50.717	-31.086	0.75	44.7541	10.2	...	-36.016	-46.652	-4	...	...	...	-21.836	-22.528	-4	...	...
...	50.393	-25.122	-4	...	...	...	35.802	+52.655	-2	...	...	*	21.558	+21.223	0.95	43.7251	9.8
...	49.842	+14.775	-3	...	...	...	35.575	-39.212	-3	...	...	...	21.536	+9.691	0.85	43.7250	9.8
...	49.810	-16.766	0.75	44.7542	10.2	...	35.329	-10.271	0.75	44.7556	10.0	...	21.354	+30.294	-4	...	...
...	49.495	-54.242	-4	...	...	...	34.792	-26.725	-4	...	...	...	21.110	+50.191	0.85	43.7252	10.1
...	-49.461	-18.629	-3	...	...	...	-34.243	+36.328	-1	...	...	*	-20.749	-34.553	1.30	44.7573	9.3
...	49.068	+12.812	0.90	43.7221	10.0	...	34.147	+45.041	-4	...	...	...	20.669	-33.332	0.80	44.7574	9.8
...	48.920	-0.826	0.90	43.7220	10.0	...	33.985	-2.642	-3	...	...	...	20.555	+35.308	-3	...	...
...	48.634	-53.080	0.65	44.7544	10.2	...	33.937	-28.909	-2	...	...	...	19.943	+50.781	-1	...	...
...	48.076	-19.803	-4	...	...	...	33.442	-41.415	-5	...	...	...	19.733	+51.269	0.65	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-47.908	+43.150	-4	...	...	*	-33.007	+9.371	1.00	43.7235	9.6	...	-19.355	-35.356	-2	...	...
...	47.725	-50.417	1.00	44.7546	9.8	...	32.291	-6.153	0.85	44.7557	9.8	...	18.892	-52.512	-3	...	...
...	47.699	+47.255	-5	...	...	*	31.826	-35.188	1.10	44.7558	9.5	...	18.796	-2.860	-5	...	...
†	47.550	+39.728	0.75	43.7223	10.2	...	31.584	+56.149	-1	...	...	...	18.570	-10.720	-5	...	...
...	47.395	+10.996	-3	...	...	*	31.406	+19.372	1.00	43.7236	9.9	...	18.238	-0.555	0.95	43.7253	9.8
...	-47.380	-32.158	-4	...	...	...	-31.367	+45.934	-5	...	...	...	-18.044	+11.661	0.70	43.7254	10.2
...	47.315	+18.138	0.85	43.7222	10.1	...	31.236	+29.334	-4	B	...	†	17.918	-39.937	0.85	44.7575	9.6
...	47.283	+14.422	-4	...	...	...	31.056	+8.728	0.80	43.7237	10.0	...	17.807	+30.149	-5	...	...
...	47.229	+53.824	-5	...	...	...	31.051	-39.077	0.95	44.7559	9.6	...	17.108	-55.781	-5	...	...
...	47.154	+50.930	-3	...	...	*	30.889	-35.900	1.70	44.7560	8.8	...	17.048	-22.860	-4	...	...

ES measured from 1, 126, 260, 377.
MC 66, 193, 313, 441.

40. 44° 04. 44° 05. no sign of duplicity; 45° 04. two stars.
158. Obscured by fault; 2nd image measured and corrected.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-16.988	-0.553	0.85	43.7255	10.1	241	-5.272	-28.355	-2	44.7587	10.2	301	+12.106	+50.791	-5	...	...
...	16.908	+6.434	-5	...	...	...	5.095	-43.677	-3	...	...	...	12.147	+37.680	-3	...	...
...	16.438	-46.526	-5	...	...	...	4.555	-59.280	-5	...	...	...	12.275	-32.828	-3	44.7603	10.2
...	16.084	+3.446	0.80	43.7256	10.0	S*	4.516	-56.943	1.80	44.7588	8.7	...	12.301	+50.931	0.70	43.7289	9.8
...	16.041	-25.150	-5	...	...	...	4.233	+30.819	-4	...	...	...	12.323	+50.781	0.80	...	...
...	-15.947	-31.432	-4	...	...	...	-4.177	-1.709	1.20	43.7274	9.6	...	+12.816	-44.654	-3	...	...
...	15.898	+40.579	-2	...	...	...	4.066	+21.704	-4	...	...	...	12.923	-55.316	-3	...	...
...	15.659	-44.828	-4	...	...	...	3.702	+52.036	1.20	43.7275	9.4	...	13.337	-17.379	-5	...	...
F	15.619	+0.116	-4	43.7257	10.2	...	3.477	+48.353	-1	43.7276	10.2	...	13.412	+51.027	-4	...	...
...	15.568	+23.304	0.75	43.7258	10.1	...	2.514	-17.147	-4	...	...	...	14.313	-45.052	-4	...	...
191	-15.518	-11.420	-3	...	...	251	-2.097	+16.472	-5	...	...	311	+14.572	-54.926	-3	...	...
...	15.482	+10.675	-5	A	...	...	2.081	-36.742	1.40	44.7589	9.2	...	14.625	-37.659	-5	...	...
...	14.988	+4.351	-5	...	...	...	1.980	-40.443	1.60	44.7590	8.9	...	14.640	+44.959	1.20	43.7290	9.4
...	14.983	+44.126	-4	...	...	...	1.926	-21.527	1.80	44.7591	8.8	...	14.743	+33.273	-5	m	...
...	14.813	+21.425	0.85	43.7259	9.9	...	1.517	+45.202	-5	...	...	...	14.972	-2.070	-3	43.7291	10.0
...	-14.347	-39.097	-4	...	...	...	-1.071	+23.237	0.80	43.7277	9.9	N*	+15.075	-2.557	3.60	43.7292	7.5
...	14.324	+20.638	-2	43.7260	10.0	...	0.986	-41.416	-1	44.7592	10.0	...	15.589	+42.104	-2	...	...
...	14.215	+58.866	1.00	42.7166	9.4	...	0.977	-44.301	-2	44.7593	10.2	...	15.661	-33.021	0.70	44.7604	10.1
...	13.319	+22.503	0.85	43.7261	10.0	...	0.253	-41.848	-3	...	...	S*	15.897	+51.051	2.70	43.7293	7.7
...	12.849	+37.326	-3	...	...	...	-0.154	+1.352	-5	...	...	...	16.237	-44.786	-5	...	...
201	-12.762	+59.064	-1	...	...	261	+0.125	-51.690	0.95	44.7594	9.8	321	+16.368	+26.560	0.80	43.7294	9.9
...	12.607	-36.261	0.90	44.7576	9.6	...	0.242	+46.077	-5	...	...	...	16.388	+57.289	-4	...	...
...	12.591	+13.918	-5	...	...	...	0.260	+4.099	2.90	43.7278	8.0	...	16.669	+1.348	-5	...	...
...	12.438	-10.627	1.20	44.7577	9.5	...	1.063	-20.526	1.20	44.7596	9.4	...	16.721	+50.397	1.50	43.7295	9.2
...	11.911	+31.476	2.80	43.7262	7.8	...	1.226	-49.163	0.85	44.7595	9.8	...	16.762	+44.704	2.00	43.7296	8.4
...	-11.684	+21.494	-3	...	...	...	+1.707	+1.334	-5	...	...	...	+17.062	-35.191	-5	...	...
...	11.379	-12.484	0.90	44.7578	9.6	...	2.032	-45.728	1.30	44.7597	9.2	...	17.258	+35.782	-5	...	...
...	11.345	-14.883	1.00	44.7579	9.5	...	2.036	-47.304	-4	...	...	...	17.537	+18.378	1.20	43.7297	9.4
...	11.343	+6.287	0.75	43.7263	10.1	...	2.250	-4.871	-5	...	...	...	18.226	-9.347	-4	...	...
...	11.115	-48.718	-4	...	...	...	3.008	-36.368	-4	...	...	...	18.439	+7.987	-5	...	...
211	-10.958	-40.917	-5	...	...	271	+3.138	+48.901	1.00	43.7279	9.6	331	+18.698	+27.600	0.70	43.7298	10.1
...	10.941	-2.714	-3	43.7264	10.2	...	3.209	+44.510	-5	...	...	...	18.732	+44.177	-3	...	...
...	10.793	-40.763	-5	...	...	...	3.404	+21.702	-5	M	...	...	18.769	+49.880	0.75	43.7299	9.9
...	10.568	-24.218	-3	...	...	...	3.528	+40.622	-4	...	...	...	19.036	-42.449	0.90	44.7606	9.8
...	10.315	+2.814	0.90	43.7265	9.8	...	3.602	-23.091	1.90	44.7598	8.8	...	19.518	+58.181	1.00	42.7191	9.6
...	-10.275	+42.146	0.85	43.7266	10.0	...	+4.215	+3.931	0.80	43.7280	9.8	...	+19.539	-30.902	0.70	44.7607	9.8
...	10.269	-29.265	0.95	44.7580	9.8	...	4.234	+8.653	-5	M	...	...	19.651	+41.826	1.10	43.7300	9.4
...	9.805	-14.410	-3	44.7581	10.2	...	4.509	+8.570	-2	43.7281	10.2	...	19.938	-55.468	0.85	44.7609	9.8
...	9.333	-27.105	0.80	44.7582	9.8	...	6.044	+23.685	1.00	43.7282	9.8	...	19.940	+43.166	-2	...	...
...	9.210	+51.921	0.90	43.7268	10.0	...	6.195	+29.130	-4	...	...	...	19.986	-14.041	-4	44.7608	10.2
221	-9.103	+16.144	-1	43.7267	10.0	281	+6.364	-32.074	-1	44.7600	10.0	341	+20.225	+25.943	-4	...	...
...	8.928	+41.894	-4	...	...	...	6.443	+8.896	-5	...	...	...	20.273	-45.935	1.40	44.7610	9.2
...	8.779	-35.784	-5	...	...	...	6.447	-59.378	-4	...	...	...	20.428	-10.976	-5	...	...
...	8.367	+14.172	-3	...	...	...	6.657	+14.708	-4	...	...	...	20.631	-10.394	-4	44.7611	10.2
...	8.192	-47.134	3.00	44.7583	8.1	...	7.620	+29.013	0.70	43.7283	10.2	...	21.279	-38.719	-4	...	...
...	-8.106	+38.956	1.30	43.7269	9.4	...	+8.446	+20.575	0.90	43.7284	9.9	S*	+21.329	+12.790	1.70	43.7301	9.0
...	8.039	+5.920	-4	...	...	...	8.563	-53.761	-5	...	...	...	21.531	+30.002	-2	...	...
...	7.969	+36.680	-4	...	...	...	9.021	+46.285	-5	...	...	...	21.912	-9.348	-2	44.7612	10.2
...	7.868	-41.138	-5	...	...	...	9.415	-52.660	-1	...	...	...	22.248	-21.795	-3	...	...
...	7.651	+17.189	-5	B	...	...	9.592	-0.727	-5	m	...	...	22.727	-3.706	1.10	43.7302	9.5
231	-7.630	-38.658	1.40	44.7584	9.0	291	+9.611	-14.962	-5	...	...	351	+23.316	+34.036	-4	...	...
...	7.428	+56.783	0.80	42.7174	10.0	...	9.747	-22.523	1.80	44.7601	8.9	...	23.406	-50.508	0.65	44.7614	10.1
...	7.197	-30.558	-3	44.7585	10.2	...	10.231	+23.454	1.40	43.7285	9.4	...	23.640	+17.209	-3	...	...
...	7.163	+36.051	1.20	43.7270	9.6	S*	10.447	-16.646	1.90	44.7602	8.8	...	23.939	+24.378	1.30	43.7303	9.0
...	7.130	+46.668	-5	...	...	...	10.622	-51.717	-4	...	...	...	23.955	-19.572	0.90	44.7615	9.6
...	-6.822	+16.121	-5	...	...	...	+11.202	+30.204	1.60	43.7287	9.2	...	+24.021	+18.064	-2	43.7305	10.2
...	6.485	-3.277	0.90	43.7271	9.8	...	11.255	+27.092	-2	43.7286	10.2	...	24.062	+2.581	-5	...	...
...	6.238	+12.787	0.80	43.7272	9.8	...	11.504	+26.381	-4	...	...	...	24.087	+13.481	1.10	43.7304	9.4
S*	6.157	+13.865	2.70	43.7273	8.2	...	11.533	-2.838	1.05	43.7288	9.6	...	24.171	+57.795	-5	...	...
...	6.092	-31.732	-1	44.7586	9.9	...	11.558	-7.529	-5	m	...	...	24.188	+18.286	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-410						411-460						461-504					
361	+24.737	-21.792	-4	...	...	411	+38.929	+10.436	-3	...	...	461	+49.129	-35.152	0.80	...	...
...	24.755	-4.485	-2	43.7306	9.9	...	39.044	+46.671	0.65	...	...	...	49.231	+38.167	-5	...	...
†	24.834	-54.910	-5	...	...	...	39.162	+44.639	-2	43.7318	10.2	...	49.281	+30.563	0.95	43.7329	9.6
...	25.005	+48.905	-3	...	...	*	39.229	+17.968	1.35	43.7319	9.3	...	49.300	+10.361	0.85	43.7330	9.9
...	25.116	-51.769	0.80	44.7616	9.9	...	39.679	+10.091	0.65	...	...	*	49.795	-11.845	1.70	44.7641	8.9
...	+25.719	-53.035	-5	...	...	†	+39.699	-45.796	1.40	44.7628	9.3	...	+49.942	+12.709	-5	...	...
...	26.202	-43.876	-4	...	...	...	39.759	-2.686	1.00	43.7321	9.5	...	50.039	-57.578	-2	44.7642	10.1
...	26.667	-23.601	-4	...	...	*	39.923	+24.508	1.60	43.7320	9.0	...	50.247	-10.858	-4	...	...
...	26.807	-58.376	1.00	44.7617	9.6	...	40.364	+25.410	-4	...	...	...	50.618	-9.660	-3	...	...
...	26.920	-3.301	-4	...	...	...	40.716	+51.215	0.65	...	...	...	50.710	+27.255	-4	...	...
371	+27.109	+56.833	-5	...	...	421	+41.148	-1.717	-5	m	...	471	+50.773	-28.363	-4	...	...
...	27.519	+34.090	-3	...	...	...	41.160	+3.396	-3	...	...	...	50.874	+46.655	-2	43.7331	10.2
...	28.437	+2.552	-4	...	...	...	41.261	+46.972	0.70	43.7322	10.2	...	51.288	+24.353	0.65	43.7332	10.2
...	28.541	-0.521	-4	...	...	...	41.706	-6.006	-5	...	...	...	51.635	-30.585	-3	44.7644	10.2
†	29.467	+52.808	-4	...	...	*	41.729	-15.297	1.25	44.7630	9.4	...	51.637	+40.671	-1	43.7333	10.2
...	+29.484	+29.433	0.90	43.7307	9.9	...	+41.941	-11.348	0.80	44.7631	10.0	...	+51.716	-48.862	-4	44.7646	10.2
...	29.738	+48.245	-1	43.7308	10.2	...	42.138	+32.707	-5	...	...	...	51.780	-14.469	0.65	44.7643	10.1
...	30.064	-55.856	-5	...	...	...	42.341	+36.148	-4	...	...	...	52.142	+36.306	-5	...	...
...	30.284	+14.130	0.75	43.7309	10.0	...	42.883	+23.871	1.20	43.7323	9.5	*	52.504	-47.608	2.70	44.7647	8.0
...	30.633	+13.115	0.85	43.7310	10.0	...	43.167	-4.687	0.80	43.7324	10.1	...	52.601	-28.041	-4	...	...
381	+30.645	-2.055	0.90	43.7311	9.8	431	+43.296	-22.382	0.65	44.7632	10.0	481	+53.077	+46.602	-2	43.7334	10.2
...	31.235	+51.884	-5	...	...	...	43.307	+36.805	-4	...	...	...	53.395	-38.316	-2	44.7648	10.2
...	31.567	-25.679	-4	...	...	...	43.411	+33.936	-5	...	...	...	53.483	-49.684	-4	...	...
†	31.674	-44.916	-1	...	...	...	43.546	+27.391	-2	...	...	†	54.562	+27.398	1.20	43.7336	9.4
...	31.705	-37.558	0.75	44.7619	10.2	...	43.641	+20.106	0.75	...	...	†	54.690	+45.633	0.90	43.7335	9.6
...	+31.877	-49.460	1.20	44.7620	9.4	...	+43.820	+4.157	-5	...	...	*	+55.359	-59.394	3.20	44.7649	7.4
...	32.017	+21.581	0.85	43.7312	9.8	...	44.327	-43.784	-5	...	...	...	55.415	-2.407	-5	...	...
...	32.105	-27.703	-3	...	...	...	44.380	-14.491	-4	...	...	...	55.580	+13.608	-2	43.7337	10.2
†	32.683	+39.883	0.80	43.7313	10.2	...	44.413	+30.659	-5	...	...	...	55.594	+9.362	-2	43.7339	10.2
...	33.439	+39.451	0.80	43.7314	10.2	...	44.441	-13.153	-5	...	...	n	55.795	+23.193	0.90	43.7338	10.0
391	+33.940	+10.995	-3	...	...	441	+45.304	+58.664	0.90	42.7207	9.6	491	+56.108	+32.306	-5	...	...
...	34.451	-56.083	0.70	...	...	...	45.428	+34.364	0.90	43.7325	9.9	n	56.151	+23.087	-3	43.7338	10.0
...	34.906	+21.721	0.90	43.7315	10.1	...	45.805	-14.821	0.85	44.7633	9.8	†	56.501	-19.947	-4	...	...
S *	35.509	-49.089	1.50	44.7622	9.0	...	46.048	-9.505	0.85	44.7634	9.8	...	56.821	+25.034	-5	...	...
...	35.780	-18.119	-4	...	...	*	46.097	+1.116	1.30	43.7326	9.3	...	57.076	+35.103	1.40	43.7340	9.4
...	+35.931	+25.034	-4	...	...	...	+46.283	+42.353	-3	...	...	...	+57.429	+30.814	1.00	43.7341	9.5
...	35.944	-29.762	-4	...	...	...	46.536	+48.616	-2	...	...	†	57.822	-19.960	0.90	44.7650	9.6
...	36.224	+40.252	0.90	43.7316	9.8	...	46.845	-27.580	-4	...	...	...	57.877	+28.715	-5	...	...
...	36.725	+3.271	-5	...	...	...	46.912	-32.172	-1	44.7635	10.1	...	57.934	+31.003	-5	...	...
...	36.985	-59.355	0.75	44.7623	10.1	†	46.925	-39.868	-2	...	...	...	58.481	-15.397	-4	...	...
401	+37.001	+23.023	-4	...	...	451	+47.111	-26.835	0.70	44.7636	10.0	501	+58.634	-42.227	-1	44.7651	10.1
...	37.521	-6.984	0.80	44.7624	9.6	...	47.849	+22.351	-5	...	...	...	58.915	+28.503	-5	...	...
...	37.645	-6.910	0.80	...	...	...	47.948	+57.542	-4	...	...	...	59.287	+10.982	-4	...	...
...	38.312	-23.970	2.30	44.7625	8.2	...	48.324	+16.386	-4	43.7327	10.2	†	59.432	+23.343	0.90	43.7342	10.0
...	38.426	+11.963	0.95	43.7317	9.6	...	48.500	+48.405	-5	...	...	...	...	...	...	...	...
...	+38.467	+12.853	-4	...	...	...	+48.501	-53.788	0.65	44.7638	10.1	...	...	...	...	...	...
...	38.621	-13.360	0.75	...	...	S *	48.804	-18.388	1.90	44.7637	8.6	...	...	...	...	...	...
...	38.725	-55.441	0.95	44.7627	9.6	...	48.929	-34.570	-1	44.7639	10.1	...	...	...	...	...	...
...	38.869	+28.323	-2	...	...	...	48.945	+14.350	-3	...	...	...	...	...	...	...	...
*	38.926	-15.770	2.70	44.7626	8.1	*	49.001	+11.155	1.10	43.7328	9.5	...	...	...	...	...	...

490, 492. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-36'238	-33'534	0·80	...	...	241	-25'440	+50'436	1·00	43·7369	9·9	301	-15'207	-26'059	-5	M	...
...	36'101	+36'844	1·15	43·7360	9·8	...	25'346	+51'734	-5	...	...	...	14'992	-16'608	-5	...	...
*	36'045	+44'044	-5	M	...	...	25'306	-12'465	0·95	44·7675	10·2	...	14'675	+11'153	-5	...	...
...	35'745	+44'842	0·65	...	...	...	25'303	+14'585	0·80	...	...	...	14'572	+3'794	0·65	...	...
...	35'032	+46'080	-5	...	...	...	25'265	-13'622	-5	M	...	...	14'398	+46'889	-4	...	...
*	-34'876	+0'997	2·00	43·7361	8·4	...	-25'179	+18'098	-5	M	...	...	-14'280	+54'381	-4	...	...
...	34'734	-48'591	0·85	44·7662	10·1	...	24'950	-11'507	1·00	44·7676	10·1	...	14'237	+9'111	0·85	...	...
†	34'672	+34'576	0·95	43·7362	10·1	...	24'946	+46'519	-5	...	...	...	14'227	+15'759	0·65	...	...
...	34'507	+39'520	-1	...	...	...	24'884	+7'646	0·85	43·7370	10·1	...	14'175	-1'709	-4	M	...
...	34'224	+17'682	-5	M	...	...	24'821	-21'903	-4	...	...	...	14'081	-7'188	-4	M	...
191	-34'063	+60'072	1·20	42·7230	9·4	251	-24'503	-57'248	0·65	...	...	311	-14'079	-44'216	-5	...	...
...	33'923	+46'916	0·80	...	...	...	23'902	-42'227	0·70	...	...	...	13'508	-0'838	0·75	43·7376	10·2
...	33'797	-43'988	-5	...	...	...	23'420	+17'533	1·05	43·7371	9·6	*	13'490	-14'260	3·90	44·7680	7·4
...	33'758	+7'842	-5	M	...	...	23'374	-7'014	-5	M	...	...	13'441	-26'430	-3	A	...
...	33'644	+2'427	-5	M	...	...	23'288	-2'951	-5	M	...	...	13'429	-29'820	-5	M	...
*	-33'371	-1'353	1·60	43·7363	9·2	...	-22'914	+32'741	-5	...	...	...	-13'346	-34'097	0·90	44·7681	10·2
...	33'296	+26'067	-1	...	...	...	22'850	+32'381	-5	...	...	...	13'225	-26'300	-5	...	...
...	32'966	+13'403	1·00	43·7364	10·1	...	22'814	+13'573	-5	...	...	...	13'048	+37'428	-5	M	...
...	32'768	+5'588	-5	M	...	...	22'626	-31'402	-5	...	...	...	12'878	-2'778	-5	M	...
...	32'544	-12'037	0·95	44·7664	10·2	...	22'544	+7'444	0·80	...	...	...	12'772	+3'884	0·65	...	...
201	-32'362	+8'777	-5	...	...	261	-21'294	-16'739	-4	...	...	321	-12'772	+0'065	-2	F	...
...	32'168	+25'354	-5	M	...	†	21'112	+30'176	-3	...	...	...	12'715	+14'895	-2	A	...
...	32'032	+29'026	-4	...	...	...	21'065	-53'355	-5	...	...	...	12'662	+26'249	-1	...	...
*	31'966	-55'854	1·60	44·7663	9·4	...	20'983	+37'293	-1	...	...	...	12'531	-10'181	-1	M	...
...	31'688	+56'488	-4	...	...	...	20'827	+23'141	-1	...	...	*	12'331	+46'003	2·10	43·7377	8·2
...	-31'664	+36'724	-5	...	...	...	-20'785	+3'222	0·70	...	...	...	-12'218	-3'350	0·90	43·7378	10·2
...	31'458	+10'793	0·85	...	...	...	20'762	-21'844	-1	...	...	...	12'149	-25'326	-2	...	...
...	31'351	+23'970	0·85	...	...	...	20'628	+20'105	-3	...	...	...	11'930	-8'498	-3	...	...
...	31'330	-48'301	0·65	...	...	...	20'267	+32'383	-1	...	...	...	11'878	-43'841	-3	...	...
*	30'610	+26'067	1·10	43·7365	9·6	271	20'076	+37'457	1·00	43·7372	9·6	331	11'801	-27'099	-5	...	...
...	-30'370	+4'220	-4	...	...	*	-19'873	+46'903	1·10	43·7373	9·6	...	-11'576	-32'390	-4	...	...
*	30'209	+55'310	1·35	43·7366	9·6	...	19'824	-12'953	0·75	...	...	...	11'574	+50'914	0·70	...	...
†	29'731	+27'308	1·80	43·7368	8·8	...	19'203	-46'267	-3	...	...	...	11'497	+11'979	0·90	...	...
*	29'450	-1'462	1·00	43·7367	9·6	...	19'124	-6'757	0·70	...	...	...	11'213	-42'553	-4	...	...
*	29'349	-14'358	1·05	44·7667	9·6	...	18'855	+22'008	-1	...	...	...	11'208	+39'132	0·90	43·7379	10·1
*	-29'347	-30'672	1·80	44·7665	8·8	...	-18'596	+55'529	-2	...	...	...	-10'969	-23'058	-5	...	...
...	29'204	-43'016	-5	...	...	...	18'385	-44'073	0·80	...	...	...	10'837	-12'067	-5	M	...
...	29'191	+48'534	0·65	...	...	...	18'350	+24'103	-5	M	...	...	10'599	-20'800	0·75	44·7682	10·0
S*	29'066	-42'365	1·60	44·7666	8·8	...	18'060	+19'109	-5	...	...	...	10'205	-53'067	0·65	...	...
...	29'051	+41'306	-4	...	...	281	18'049	+41'629	-5	...	...	...	10'167	-24'715	0·95	44·7683	10·2
221	-28'823	-25'778	-5	...	...	...	-17'875	-7'233	-1	...	...	341	-9'638	+7'626	-5	M	...
...	28'765	-13'631	-4	...	...	...	17'837	+49'884	-5	...	...	...	9'150	+34'607	-5	...	...
...	28'637	-22'212	0·85	44·7668	10·2	...	17'801	-20'552	-5	...	...	...	8'878	+16'634	0·65	...	...
...	28'512	+51'731	-5	...	...	...	17'787	+30'722	-3	...	...	...	8'789	-38'397	-5	...	...
...	28'300	+54'260	-3	...	...	...	17'750	-23'077	-5	...	...	...	8'762	-21'966	-1	...	...
*	-28'053	+55'849	1·30	42·7233	9·5	...	-17'471	-37'102	-4	...	...	...	-8'236	-13'115	0·65	...	...
...	27'959	+28'232	-1	...	...	...	17'287	+48'398	0·75	...	...	...	8'122	+13'293	-4	...	...
...	27'633	-54'638	0·80	44·7669	10·0	...	17'270	-20'639	0·65	...	...	...	7'894	+23'673	0·70	...	...
...	27'359	+20'546	-5	M	...	S*	17'129	+54'156	3·40	43·7374	7·0	...	7'769	-43'403	-5	...	...
...	27'200	+15'957	0·80	...	...	S*	17'063	-13'843	3·30	44·7679	7·4	*	7'743	-25'130	2·40	44·7684	8·7
231	-27'131	-43'500	1·00	44·7670	9·8	291	-16'325	+19'256	2·80	43·7375	7·6	351	-7'464	+4'695	1·90	43·7380	8·8
...	27'085	-30'967	1·00	44·7672	10·1	...	16'288	-42'771	-5	M	...	...	7'456	+22'875	-4	...	...
...	27'060	-26'390	-4	...	...	...	16'261	-48'772	-5	...	...	†	7'451	+35'220	1·40	43·7381	8·9
...	27'052	-49'717	0·90	44·7671	9·9	...	16'193	+39'766	-5	...	...	...	6'067	-34'823	-5	...	...
...	27'046	-26'606	1·00	44·7673	9·9	*	16'084	+57'272	2·30	42·7241	8·2	...	6'870	-38'759	-4	...	...
...	-26'794	+42'570	-5	...	...	...	-16'034	+39'389	-5	...	...	*	-6'776	-32'251	1·10	44·7685	9·4
...	26'577	-3'060	-1	...	...	...	15'858	-17'780	-5	...	...	...	6'135	-20'087	-3	...	...
...	26'215	-4'011	-4	...	...	...	15'851	+23'842	0·80	...	...	†	0'025	+20'155	1·00	43·7382	9·9
...	26'124	-14'500	-5	M	...	...	15'361	-38'377	0·65	...	...	...	5'085	+29'250	0·90	...	...
*	25'733	-47'959	1·10	44·7674	9·5	...	15'327	+2'281	-4	...	...	*	5'847	+52'202	1·05	43·7383	9·8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-420						421-480						481-540					
361	- 5.706	+ 5.872	0.80	...	...	421	+ 6.851	- 36.958	- 4	...	...	481	+ 17.765	- 45.248	- 5	...	...
...	5.602	+ 15.091	- 4	...	...	...	7.102	+ 3.299	1.00	43.7395	9.9	...	17.866	- 45.209	- 5	...	...
...	5.520	+ 47.700	- 2	...	...	...	7.590	- 44.775	- 4	...	...	...	17.943	- 53.799	- 5	...	...
...	5.398	+ 20.747	- 5	M	...	...	8.026	+ 31.980	- 5	m	...	*	18.035	- 41.412	1.00	44.7703	9.6
...	4.546	- 44.687	0.75	44.7686	10.2	...	8.152	+ 51.543	1.10	43.7396	9.9	...	18.122	+ 8.471	0.90	43.7402	10.2
...	- 4.483	+ 12.098	- 5	m	...	...	+ 8.562	+ 48.007	- 5	m	...	...	+ 18.435	+ 7.043	- 5	m	...
*	4.369	+ 45.873	1.40	43.7384	9.3	...	8.580	- 23.738	- 5	...	...	...	18.489	+ 33.865	- 5	m	...
...	4.311	+ 5.559	- 1	m	...	...	8.601	+ 17.208	- 4	m	...	...	18.854	+ 9.774	0.80	...	...
N*	3.987	- 10.501	2.60	44.7687	8.6	...	8.912	+ 4.400	- 5	m	...	...	18.883	- 40.483	- 5	...	...
...	3.607	+ 23.311	- 3	m	...	*	8.983	- 21.939	1.10	44.7694	9.6	...	19.213	+ 4.903	- 4	m	...
371	- 3.588	- 35.147	1.40	44.7688	9.0	431	+ 9.041	+ 56.590	- 5	m	...	491	+ 19.386	+ 15.790	0.70	...	...
S*	3.542	- 30.098	- 4	...	...	...	9.043	+ 11.742	0.85	...	...	*	19.525	- 40.146	2.60	44.7704	8.4
...	3.392	+ 21.792	1.40	43.7385	9.2	...	9.163	- 22.092	- 5	...	...	...	19.802	+ 50.585	- 1	...	...
*	3.292	- 50.728	- 2	...	...	...	9.179	- 39.897	- 5	...	...	...	20.517	+ 14.353	0.90	43.7404	10.2
...	2.884	- 6.994	- 5	M	...	...	9.512	- 52.929	- 5	...	...	...	20.673	- 10.731	- 4	...	...
...	- 2.822	+ 8.551	1.00	43.7386	10.2	...	+ 9.799	- 56.346	- 5	...	...	*	+ 20.698	+ 29.156	1.00	43.7403	9.9
...	2.675	- 20.738	- 5	M	...	...	9.929	+ 26.583	0.95	43.7397	10.2	...	20.717	+ 48.049	- 1	...	...
...	2.641	- 2.196	- 5	M	...	*	9.984	+ 34.114	1.60	43.7398	9.2	*	20.886	+ 19.277	0.95	43.7405	10.2
...	2.599	- 58.498	- 4	...	...	...	10.055	+ 52.432	- 5	m	...	...	21.374	- 30.808	- 3	...	...
*	2.556	+ 21.985	2.00	43.7387	9.0	...	10.611	+ 44.549	- 5	m	...	...	21.916	+ 35.985	0.65	...	...
381	- 2.328	+ 48.929	1.20	43.7388	9.4	441	+ 10.612	+ 18.377	- 3	a	...	501	+ 22.273	- 58.143	- 5	...	...
S*	1.319	+ 8.613	- 5	M m	...	...	11.309	+ 44.901	- 5	m	...	...	22.509	- 11.146	- 5	...	...
...	1.097	+ 51.482	- 4	...	...	*	11.329	+ 19.588	1.40	43.7399	9.0	*	22.737	- 50.691	1.20	44.7705	9.6
*	- 0.085	- 1.731	1.10	43.7389	9.4	...	11.649	- 54.598	- 5	...	...	...	23.029	- 12.379	- 3	...	...
...	+ 0.059	+ 39.179	- 3	m	...	...	11.842	- 33.990	- 5	...	...	...	23.130	- 6.635	- 3	...	...
...	+ 0.212	- 35.723	- 3	...	...	...	+ 11.897	- 5.450	0.80	44.7695	10.2	...	+ 23.417	+ 32.334	0.70	...	...
...	0.335	+ 42.722	- 1	...	...	...	11.957	- 36.364	- 4	...	...	†	23.478	- 19.615	- 3	...	...
...	0.361	- 32.043	- 4	...	...	...	12.167	- 30.654	- 5	...	...	...	23.480	- 26.266	0.90	44.7706	10.1
...	0.523	+ 8.359	- 5	M m	...	...	12.208	- 58.249	1.00	44.7696	10.2	...	23.585	- 37.611	- 5	...	...
...	0.639	+ 37.204	- 1	...	...	...	12.246	- 9.944	0.65	...	...	...	23.599	- 26.454	- 5	...	...
391	+ 0.805	- 20.911	- 4	M	...	451	+ 12.294	+ 32.599	- 5	m	...	511	+ 23.824	- 17.848	1.40	44.7707	9.2
...	0.914	- 6.067	0.80	...	...	...	12.352	- 56.789	- 5	...	...	...	23.844	- 5.212	- 4	...	...
*	1.017	+ 6.141	1.00	43.7390	9.6	...	12.426	+ 44.110	- 3	...	...	...	23.858	+ 39.524	0.75	...	...
*	1.136	- 17.408	2.00	44.7690	8.8	...	12.453	- 23.078	- 5	...	...	...	23.867	- 34.606	1.25	44.7709	9.5
...	1.163	- 44.321	- 5	M	...	*	12.617	- 5.943	1.10	44.7697	9.6	*	23.944	- 32.322	1.40	44.7708	9.4
...	+ 1.227	+ 56.572	- 5	...	...	...	+ 12.786	+ 38.987	0.85	...	...	...	+ 23.953	+ 13.043	- 5	m	...
...	1.467	- 3.549	- 3	M	...	...	12.803	- 8.192	- 5	...	...	...	24.248	- 5.638	- 3	...	...
...	1.834	+ 28.891	0.80	...	...	...	12.946	+ 34.805	- 5	m	...	...	24.297	- 13.995	- 4	...	...
...	1.907	+ 43.309	- 2	...	...	...	13.073	+ 47.472	- 5	m	...	...	24.397	+ 36.685	0.80	...	...
...	2.111	- 38.802	0.65	...	...	...	13.242	+ 32.006	- 5	m	...	...	24.421	+ 10.243	0.70	...	...
401	+ 2.138	+ 17.302	- 5	M m	...	461	+ 13.535	- 43.039	- 5	...	...	521	+ 24.431	+ 24.623	- 5	m	...
...	2.408	- 28.579	- 5	M	...	...	13.596	- 17.473	- 4	...	...	...	24.453	+ 7.993	0.95	43.7406	10.2
...	2.521	+ 29.893	- 4	m	...	...	13.700	+ 1.098	- 5	m	...	...	24.650	+ 42.718	- 5	...	...
...	2.790	+ 13.337	- 4	m	...	...	14.164	- 32.580	- 5	...	...	...	24.651	+ 19.024	- 1	...	...
...	2.924	+ 59.224	- 5	...	...	...	14.182	+ 52.460	- 5	m	...	...	25.275	+ 45.045	- 4	...	...
...	+ 3.094	+ 19.732	0.85	...	...	...	+ 14.253	+ 6.301	0.75	...	...	*	+ 25.662	- 20.416	1.00	44.7710	10.1
...	3.271	+ 30.555	0.95	43.7391	10.1	S*	15.561	- 14.247	3.00	44.7700	7.9	...	25.862	- 27.141	- 5	...	...
...	3.291	- 26.528	- 5	M	...	S*	15.685	+ 12.511	3.40	43.7400	7.2	...	25.974	+ 3.491	0.85	...	...
...	3.913	+ 18.991	- 5	m	...	...	15.754	+ 33.412	0.80	43.7401	10.2	*	26.084	- 0.556	1.40	43.7407	9.5
...	4.631	- 47.625	1.00	44.7691	9.8	...	15.993	- 7.165	- 1	...	...	...	26.105	- 40.021	- 5	...	...
411	+ 4.806	- 48.951	- 5	...	...	471	+ 15.998	- 12.670	- 5	...	...	531	+ 26.391	+ 26.298	- 5	m	...
*	4.912	+ 16.067	1.25	43.7392	9.5	...	16.080	+ 0.546	- 5	m	...	*	26.568	- 30.527	1.15	44.7711	9.4
*	5.024	+ 7.783	1.30	43.7394	9.5	...	16.165	- 15.809	- 4	...	...	...	26.630	- 34.669	- 5	...	...
*	5.108	+ 3.379	1.80	43.7393	9.2	...	16.449	+ 54.513	- 1	...	...	...	26.688	+ 17.775	- 5	m	...
*	5.623	- 48.538	1.40	44.7692	9.2	...	16.618	- 30.942	1.00	...	...	...	26.724	+ 14.519	0.90	43.7408	10.2
...	+ 5.953	+ 56.560	- 3	...	...	*	+ 16.620	- 19.754	2.40	44.7702	8.1	*	+ 27.104	- 21.220	- 3	...	...
...	6.030	+ 56.249	- 3	...	...	*	16.680	- 17.545	2.00	44.7701	8.9	*	27.133	- 35.328	1.05	44.7712	9.8
...	6.047	- 23.830	0.85	...	...	...	16.813	+ 11.725	- 5	m	...	...	27.185	- 21.867	- 5	...	...
...	6.351	+ 9.229	0.80	...	...	...	17.369	+ 27.854	- 4	m	...	...	27.285	- 3.236	- 5	...	...
...	6.488	- 33.602	0.95	44.7693	10.2	...	17.388	- 58.570	- 4	...	...	...	27.808	+ 8.684	- 5	m	...

369. Mass. 45° 95 mass; 45° 96, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
541-590						591-640						641-669								
541	†	+27.907	-4.629	-4	...	...	+39.399	+6.788	0.70	...	...	641	...	+53.645	+14.727	-5	e	...	
...	...	28.059	+39.134	0.65	...	...	39.775	+0.436	-5	m	...	...	...	54.067	+45.645	0.65	...	...
S *	...	28.185	+42.771	1.60	43.7409	8.9	*	39.939	-9.735	1.80	44.7722	9.4	*	...	54.765	+22.113	1.10	43.7417	9.6	
...	...	28.248	+16.135	0.95	43.7410	10.2	...	40.269	-40.783	-5	...	...	...	...	55.184	+26.546	0.65	...	...
...	...	28.362	+2.372	-4	m	...	†	41.012	-39.558	-3	...	...	...	...	55.287	-6.235	-5	...	...
...	...	+28.651	+13.308	-5	m	...	...	+41.186	-48.483	-4	...	...	*	...	+55.515	-26.336	1.20	44.7733	9.6
...	...	28.862	-42.558	-4	...	...	...	41.361	+4.387	-4	m	...	...	...	55.817	+54.857	0.65	43.7418	10.2
...	...	29.009	+21.211	-4	m	42.211	+5.610	-4	m	*	...	55.880	-10.595	1.00	44.7734	9.6
...	...	29.043	-6.496	-1	...	...	*	42.214	-26.210	1.20	44.7724	9.6	...	...	56.160	-3.061	0.85	...	...
...	...	29.693	-57.250	0.75	...	...	...	42.842	-43.516	1.00	44.7725	10.0	...	...	56.403	+29.405	-1	...	...
551	*	+29.719	-39.656	1.60	44.7713	9.0	601	*	+43.521	+27.485	1.05	43.7414	9.8	651	...	+56.525	+17.416	0.65
...	...	29.885	-32.553	-3	...	...	...	44.146	-38.506	-5	...	...	...	...	56.733	-12.031	-5	...	...
...	...	29.939	+59.216	-5	...	...	...	44.638	-5.003	-5	...	...	...	...	56.835	+44.006	-5	...	...
...	†	29.982	-19.505	1.10	44.7714	9.5	...	44.835	+31.482	0.75	...	...	...	...	57.276	+30.176	-5	...	...
...	...	30.526	+49.181	-1	...	...	...	44.856	-40.509	-4	...	...	S *	...	57.413	-24.254	1.30	44.7735	9.3
...	...	+30.716	+43.704	0.85	43.7411	10.2	*	+45.210	+58.911	1.40	42.7262	9.8	...	...	+57.471	-19.781	-5	...	...
...	...	31.395	+26.458	0.80	43.7412	10.1	...	45.615	+48.009	-4	...	...	...	...	57.552	+51.987	0.80	43.7419	9.9
...	...	31.481	-26.131	0.90	44.7715	10.2	...	45.800	+31.183	-5	m	...	...	...	57.572	+31.240	-5	e	...
...	...	31.995	+10.155	-5	m	...	...	46.508	+9.300	-5	m	...	...	...	58.351	-47.862	-5	...	...
...	...	32.536	+48.106	-5	...	...	...	46.557	+17.355	-5	m	...	...	...	58.408	+17.685	0.75	...	...
561	*	+32.737	+12.448	0.90	611	*	+46.589	-49.111	1.80	44.7726	9.0	661	...	+58.459	-33.585	-5
...	...	32.740	-16.443	1.40	44.7716	9.0	...	46.715	+29.314	-4	...	...	...	...	58.503	+15.768	0.85	43.7421	10.2
...	...	32.794	+6.279	-4	m	...	...	47.191	-53.865	0.85	44.7727	10.2	...	...	58.600	+26.908	0.80	43.7420	10.2
S *	...	33.119	-42.606	2.00	44.7717	8.8	...	47.600	-15.403	-5	...	...	...	...	58.959	-9.072	-4	...	...
...	...	33.300	-56.476	0.90	44.7718	10.1	...	47.734	-20.335	-5	...	...	...	...	58.960	-8.180	-5	...	...
...	...	+33.537	-21.232	-5	...	...	...	+48.146	-3.041	-3	...	...	...	...	+59.231	+10.777	-5	m	...
...	†	33.819	+45.224	-5	...	...	*	48.252	-13.324	1.60	44.7728	9.4	...	...	59.286	-50.237	-1	44.7736	10.2
...	...	33.873	-42.299	-5	...	...	...	48.332	+0.001	-5	m	...	...	...	59.852	-48.199	0.90	44.7737	10.1
N *	...	34.474	-50.646	2.00	44.7719	8.8	...	48.571	+0.894	-5	m	...	*	...	59.854	-47.134	1.70	44.7738	9.2	
...	...	34.813	-1.487	-5	...	...	...	49.064	-4.461	-3	...	...	...	...	...	...	...	...	...
571	†	+35.159	-7.729	0.80	...	...	621	...	+49.279	+29.058	-5	e	...	...	...	...	...	...	...
...	...	35.175	+5.110	-4	m	...	...	49.594	+49.680	-4	...	...	...	...	...	...	...	...	...
*	...	35.479	-9.855	1.05	44.7720	9.8	...	50.274	+6.867	-5	e	...	...	...	...	...	...	...	...
...	...	36.158	+45.488	-4	...	...	S *	50.484	+7.245	1.40	43.7415	9.0	...	...	...	...	...	...	...
...	...	36.680	+14.409	0.75	...	...	...	50.556	-23.964	-5	...	...	...	...	...	...	...	...	...
...	...	+36.935	+23.895	-5	m	...	...	+50.894	-58.332	-5	...	...	...	...	...	...	...	...	...
...	...	37.033	-26.667	-5	...	...	...	50.970	+22.325	-5	...	...	...	...	...	...	...	...	...
...	...	37.055	-16.504	-5	...	...	...	51.245	+17.746	-5	e	...	...	...	...	...	...	...	...
*	...	37.138	+27.551	2.60	43.7413	8.1	...	51.367	-56.177	-5	...	...	...	...	...	...	...	...	...
*	...	37.479	-14.409	1.00	44.7721	9.8	...	51.757	-41.411	0.80	...	...	...	...	...	...	...	...	...
581	...	+37.524	+58.665	-5	...	...	631	...	+51.786	+30.738	0.85	43.7416	10.2	...	...	...	...	...	...
...	...	37.748	-9.380	-4	...	...	...	51.826	+45.106	-5	...	...	...	...	...	...	...	...	...
...	...	37.860	-19.844	-5	...	...	...	52.133	-52.843	-5	...	...	...	...	...	...	...	...	...
...	...	37.889	+57.119	-5	...	...	...	52.268	-33.158	-5	...	...	...	...	...	...	...	...	...
...	†	37.983	+30.382	-4	...	...	*	52.383	-9.338	2.00	44.7729	8.8	...	...	...	...	...	...	...
...	...	+38.200	-30.224	-5	m	...	...	+52.383	-47.304	1.10	44.7731	9.6	...	...	...	...	...	...	...
...	...	38.399	-13.015	-5	...	...	*	52.525	-19.307	1.00	44.7730	9.8	...	...	...	...	...	...	...
...	...	38.405	+0.900	-5	m	...	...	52.782	-2.384	0.70	...	...	...	...	...	...	...	...	...
...	...	38.595	+42.210	-5	m	...	*	53.143	-6.733	1.10	44.7732	9.5	...	...	...	...	...	...	...
...	...	38.970	+30.157	-5	m	...	...	53.414	-34.381	-5	...	...	...	...	...	...	...	...	...

569. Var. L=8.6-9.3.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
1	-59.861	-49.327	1.70	44.7726	9.0	61	-45.707	-46.848	3	...	...	121	-32.080	+2.847	3	A	...
*	59.854	+49.503	-4	...	...	...	45.658	+30.257	0.70	...	...	...	32.021	+35.724	-3	...	...
†	59.702	+3.235	-5	...	...	...	45.303	+10.887	0.80	...	...	*	31.684	+59.711	2.00	42.7274	8.6
...	59.531	+28.875	-5	E	...	...	45.100	+19.042	0.90	43.7424	10.0	...	31.647	+0.204	0.65	β	...
...	59.282	-13.503	1.60	44.7728	9.4	...	44.646	+23.704	0.90	43.7425	10.2	...	31.033	+34.249	0.75	43.7436	10.2
*	-59.121	-54.047	-2	44.7727	10.2	...	-44.500	-21.392	0.80	44.7739	10.2	...	-30.992	+38.903	0.90	43.7435	10.2
...	58.734	-4.616	-5	...	...	...	44.378	+22.014	-4	...	...	*	30.850	-7.031	1.10	44.7748	9.6
...	57.874	+6.755	-5	E	...	...	44.249	+52.066	0.70	...	...	...	30.777	-7.301	-2	...	...
S*	57.661	+7.139	1.30	43.7415	9.0	...	43.934	-51.634	0.70	...	...	...	30.721	+18.299	-5	...	...
...	57.641	+22.240	-2	...	...	...	43.862	+25.743	0.80	...	...	...	30.591	-22.783	0.65	...	...
11	-57.480	+45.048	-5	...	...	71	-43.802	+50.044	3.00	43.7426	7.4	131	-30.545	-50.189	0.95	44.7747	10.0
...	57.232	+17.655	-5	E	...	...	43.322	+50.722	-5	...	...	...	30.402	+33.603	-5	...	...
...	57.084	+30.668	0.80	43.7416	10.2	†	43.175	-39.863	-3	...	...	†	30.356	+59.794	-4	...	...
...	56.666	-24.066	-5	...	...	...	43.154	+45.490	0.90	43.7428	9.9	...	30.354	+6.998	-3	...	...
...	55.289	-58.446	-5	...	...	...	43.140	-22.525	-4	...	...	...	30.178	+0.373	0.75	...	...
*	-55.265	-9.401	1.80	44.7729	8.8	...	-43.053	+19.061	0.90	43.7427	10.1	...	-30.080	+3.633	-2	...	...
...	55.236	+45.624	0.80	...	...	...	42.956	+37.003	-5	...	...	†	29.934	+10.852	-2	...	...
...	55.094	-2.420	0.80	...	...	...	42.737	-5.289	0.80	...	...	†	29.922	+41.264	0.90	43.7438	10.2
†	54.900	-41.459	0.70	...	...	...	42.479	-30.295	0.70	...	...	...	29.563	+43.951	0.85	43.7439	10.2
...	54.873	-56.254	-4	...	...	...	42.132	+27.868	-5	...	...	*	29.519	+1.652	0.95	43.7437	10.1
21	-54.823	-19.344	1.00	44.7730	9.8	81	-42.031	-3.101	-5	...	...	...	-29.459	-40.019	-3	...	...
...	54.760	+14.720	-5	E	...	...	41.992	-57.351	0.95	44.7740	9.8	...	29.067	+5.223	-5	M	...
*	54.589	-6.764	1.10	44.7732	9.5	†	41.842	+49.820	0.85	43.7429	10.1	...	28.986	+39.342	-3	...	...
...	54.206	-52.911	-5	...	...	...	41.799	-31.598	0.85	44.7741	10.2	...	28.927	+59.291	-5	M	...
...	54.116	-47.348	0.90	44.7731	9.6	...	41.378	+31.585	-4	...	...	...	28.688	+36.616	-5	M	...
*	-53.841	+22.134	1.05	43.7417	9.6	...	-41.318	+30.919	-5	M	...	...	-28.585	-15.447	-4	...	...
†	53.801	+54.892	0.75	43.7418	10.2	...	41.262	-4.077	0.70	...	...	...	28.511	-33.426	0.65	...	...
...	53.565	+26.573	0.75	...	...	...	40.996	-21.914	-5	...	...	...	28.316	+15.389	-5	M	...
...	53.458	-34.415	-5	...	...	...	40.789	-33.174	0.90	44.7742	10.2	...	27.181	-39.809	-5	...	...
...	52.459	+44.077	-5	...	...	...	40.338	-27.067	-5	...	...	...	26.944	-23.003	0.75	...	...
31	-52.459	-6.183	-4	...	...	91	-39.497	-9.598	-5	...	...	...	-26.439	+44.508	-5	M	...
...	52.442	+29.462	-2	...	...	...	39.315	+41.581	-3	A	...	...	26.273	+40.449	-5	M	...
...	51.978	+52.079	0.90	43.7419	9.9	...	39.275	+12.346	-4	...	...	...	26.112	+57.014	-5	...	...
...	51.945	+17.481	0.70	...	...	...	38.659	+26.716	-4	...	...	...	25.291	-34.282	-1	...	...
*	51.736	-10.531	1.05	44.7734	9.6	...	38.291	-55.666	0.65	...	...	*	25.195	+56.114	1.80	42.7277	8.6
...	-51.663	-2.996	0.85	...	...	...	-38.265	+32.215	-4	...	...	...	-25.081	+56.114	0.80	...	...
*	51.618	-26.267	1.10	44.7733	9.6	...	38.030	+36.335	-4	...	...	...	25.179	-31.226	-5	...	...
...	51.553	+30.259	-4	...	...	...	37.475	+26.415	-5	M	...	...	23.905	-52.768	-4	...	...
...	51.358	+31.318	-5	E	...	...	37.474	+36.738	-2	...	...	...	23.674	-14.894	0.65	...	...
...	50.159	+27.030	0.85	43.7420	10.2	...	37.093	+55.068	-5	...	...	...	23.631	-10.250	0.75	...	...
41	-50.070	+17.809	0.80	...	...	101	-36.613	+1.875	-5	M	...	...	-23.296	-17.222	-5	...	...
†	49.908	+15.889	0.70	43.7421	10.2	...	36.611	-42.707	-5	...	...	...	22.546	-7.121	-5	...	...
...	49.863	-19.675	-4	...	...	...	36.365	+52.483	1.00	43.7430	10.1	...	22.057	+10.745	0.90	...	...
S*	49.794	-24.139	1.30	44.7735	9.3	...	36.236	+19.853	-4	...	...	*	21.611	-35.559	1.20	44.7751	9.6
...	48.887	+50.476	-5	M	...	...	36.166	+12.549	0.70	...	...	...	21.372	-58.753	1.25	44.7750	9.5
...	-48.719	-8.029	-5	...	...	...	-36.064	-26.945	0.65	...	...	*	-21.296	+30.674	-4	...	...
...	48.717	-8.928	-4	...	...	...	35.506	-10.844	0.85	44.7745	10.2	*	21.255	-44.050	1.25	44.7752	9.6
...	48.442	-33.461	-5	...	...	...	35.244	-49.286	1.00	44.7744	10.0	...	21.248	-43.290	0.70	...	...
...	48.145	-47.736	-5	...	...	...	34.943	-21.210	-1	...	...	...	20.961	-44.144	-5	...	...
*	47.640	+45.206	1.00	43.7422	9.6	†	34.896	+20.725	1.40	43.7431	9.0	...	20.506	+54.723	-4	...	...
51	-47.633	+49.381	-4	...	...	111	-34.394	-47.911	0.65	...	...	171	-20.373	+14.144	-3	...	...
...	47.593	+16.989	-5	M	...	...	33.957	-35.237	0.70	...	...	S*	19.811	+36.609	1.10	43.7440	9.5
...	47.498	+13.770	-5	...	...	*	33.643	-4.351	1.05	43.7432	9.6	*	19.076	-56.197	1.20	44.7753	9.7
...	47.127	-50.063	0.75	44.7736	10.2	*	33.473	-37.558	1.00	44.7746	10.1	...	19.039	+42.068	-4	...	...
...	46.670	+25.595	-5	...	...	...	33.461	+43.711	0.90	43.7433	10.2	...	18.855	-7.632	0.75	...	...
*	-46.658	-46.945	1.60	44.7738	9.2	...	-33.044	-37.608	-4	...	...	...	-18.811	+24.957	-3	...	...
...	46.622	-48.019	0.90	44.7737	10.1	...	32.869	+43.445	-5	...	...	*	18.726	+32.677	1.00	43.7441	9.8
...	46.439	-28.238	-5	...	...	*	32.546	+52.047	1.80	43.7434	8.8	...	18.523	+12.094	0.75	...	...
*	45.894	+1.166	1.00	43.7423	9.8	...	32.479	+48.818	0.65	...	...	*	18.388	-0.990	1.10	43.7442	9.7
...	45.885	+5.510	0.80	...	...	...	32.452	+12.758	-5	...	...	...	18.001	-0.409	-5	...	...

NM measured from 1, 172, 369.
 ES ,, ,, 91, 261, 488.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
181-240						241-300						301-360						
181	-17.929	-39.202	0.4	...	...	241	-3.648	+10.772	0.65	...	...	301	+7.632	-52.771	0.5	...	...
...	17.728	+4.738	0.85	...	...	...	3.417	-55.801	1.05	...	...	...	8.107	+14.401	0.3	...	...
...	17.686	-9.827	0.5	...	...	...	3.232	-22.427	0.5	...	...	...	8.193	-38.781	0.85	...	...
...	17.556	-36.428	0.4	...	...	...	2.590	+12.072	0.95	...	...	...	8.458	-33.632	1.15	44.7772	9.5	
*	17.276	-25.870	1.00	44.7754	9.8	...	2.565	-23.415	0.85	...	...	...	8.486	-18.697	0.80	...	...
...	-17.269	-39.643	0.70	...	...	...	-2.503	-25.158	0.1	...	...	...	+8.786	-1.516	0.4	...	...
*	17.209	-19.084	1.10	44.7756	10.0	...	2.325	-36.819	2.20	44.7762	8.6	...	8.972	-43.964	0.1	...	...
...	17.157	-26.255	0.70	...	...	...	2.243	-33.695	0.65	...	...	...	9.009	-45.841	0.2	...	...
*	17.113	-22.109	1.05	44.7755	9.8	...	1.961	-32.880	1.00	44.7763	9.8	...	9.013	-58.131	0.5	...	...
...	16.801	-38.947	0.5	...	...	...	1.767	+13.077	1.00	43.7446	10.0	...	* 9.385	-18.164	1.15	44.7773	9.5	
191	-16.723	-51.453	0.75	...	...	251	-1.709	-48.616	0.85	...	...	311	+9.467	-48.531	0.5	...	...
...	16.609	-8.824	0.85	...	...	...	1.636	-54.251	0.70	...	...	...	9.589	+58.628	0.90	42.7289	10.0	
...	16.599	+28.334	0.65	...	...	...	1.486	+21.197	0.5	M m	...	...	9.590	-16.654	0.5	...	...
...	16.548	-58.602	0.2	...	...	...	1.461	-49.272	1.05	44.7764	9.8	...	* 9.604	+12.472	1.30	43.7451	9.6	
...	16.543	+5.595	0.5	M	...	...	1.326	-13.006	0.80	...	...	...	† 9.801	-52.732	0.65	...	...
...	-16.433	+49.166	0.5	...	...	...	-1.290	+41.157	0.65	m	...	...	+10.222	-16.930	0.5	...	...
...	16.347	-41.977	0.3	...	...	...	1.135	-7.856	1.05	44.7765	9.7	...	...	10.821	+48.645	0.5	...	...
...	15.609	+41.903	0.85	...	...	...	0.943	+23.858	0.70	...	...	...	...	10.854	-47.115	0.3	...	...
...	15.588	-5.692	0.5	...	...	...	0.606	-53.655	0.5	...	...	...	...	10.922	-9.655	0.4	...	...
...	15.467	-9.923	0.70	...	...	...	0.279	-59.082	0.65	...	...	...	...	11.063	+15.902	0.4	...	...
201	-15.392	-42.344	0.4	...	...	261	-0.015	-9.814	1.10	44.7766	10.0	...	321	+11.275	-19.866	0.70	...	...
...	15.183	-25.969	0.85	...	...	...	+0.427	-11.210	0.4	...	...	...	...	11.428	-12.903	0.5	...	...
...	14.815	+37.501	0.70	...	...	...	1.181	+47.968	0.3	...	...	...	...	11.496	+31.704	0.5	m	...
...	14.525	-21.099	0.75	...	...	...	1.234	-2.852	0.90	...	...	...	...	11.554	-48.838	0.65	...	...
...	14.119	-44.106	0.70	...	...	...	1.577	-59.725	0.70	...	...	...	...	11.615	-7.986	0.4	...	...
...	-13.720	-13.380	0.2	...	...	fj †	+1.845	+0.042	1.00	43.7447	10.0	S *	+11.721	+26.381	2.20	43.7452	7.8	
...	13.401	-52.996	0.95	...	...	...	1.883	+56.800	0.5	M m	...	...	...	11.728	-39.007	1.10	44.7774	9.8
...	12.512	+48.823	0.1	...	...	...	2.454	-50.256	0.5	...	...	...	...	11.896	-50.750	0.5	...	...
*	12.420	-47.124	1.05	44.7757	9.8	...	2.489	+29.121	0.5	m	...	...	...	* 11.925	-58.257	1.20	44.7775	9.7
...	12.250	+55.470	0.4	...	...	...	2.805	-20.808	0.70	...	...	...	...	12.052	-42.466	0.70	...	...
211	-11.923	-41.308	0.5	...	...	271	+2.999	-53.724	0.80	...	...	331	+12.223	-35.936	1.80	44.7776	8.8	
...	11.654	-27.411	0.80	...	...	...	3.014	-0.403	1.80	43.7448	9.0	...	...	12.331	-17.378	0.3	...	...
...	11.256	-44.530	0.5	...	...	...	3.016	-13.449	0.90	...	...	...	...	12.604	-34.888	0.80	...	...
...	11.252	+22.297	0.5	M	...	...	3.158	+58.949	2.70	42.7285	7.8	...	...	13.022	+16.692	0.95	...	...
*	11.048	+29.615	1.05	43.7443	9.7	...	3.300	+13.531	0.75	...	...	...	...	* 13.176	+32.408	1.15	43.7453	0.6
...	-10.365	+34.669	0.65	...	...	...	+3.322	+55.472	0.3	...	...	...	...	+13.406	-55.271	0.4	...	...
...	10.009	-39.027	0.5	...	...	...	3.347	-40.906	0.85	...	...	...	...	13.737	+32.909	0.65	...	...
†	8.886	+44.794	0.5	...	...	...	3.402	-58.233	0.3	...	...	...	...	* 13.769	-58.859	1.20	44.7777	9.8
*	8.853	+37.553	1.00	43.7444	9.8	...	3.505	-19.726	1.20	44.7767	9.7	...	...	13.770	-10.890	0.4	...	...
...	8.789	+4.031	0.70	...	...	...	3.796	+15.755	0.5	M m	...	...	...	13.866	-18.531	0.4	...	...
221	-8.217	+3.165	0.5	M	...	281	+3.959	+34.642	0.3	...	...	341	+14.779	+6.060	0.2	...	...
...	8.169	-31.111	0.5	...	...	...	4.070	-14.769	0.75	...	...	...	†	14.813	+40.539	1.80	43.7454	9.0
...	8.079	+57.422	1.00	42.7282	9.8	...	4.508	+37.142	0.65	...	...	...	...	15.131	+36.685	0.70	...	...
*	7.718	+44.436	1.05	43.7445	10.0	...	4.591	-46.904	1.10	44.7768	9.8	...	...	* 15.703	+40.006	1.05	43.7455	9.8
...	7.270	-43.896	0.4	...	...	...	5.005	+20.517	0.2	...	...	...	...	15.964	+56.690	0.80	...	...
...	-7.032	+38.899	0.5	M	...	...	+5.429	-52.764	1.15	44.7769	9.7	...	...	* 16.278	+41.503	1.05	43.7456	10.0
...	6.931	-37.534	0.85	...	...	...	5.586	+43.891	0.90	...	...	...	...	* 16.329	-50.140	1.40	44.7778	9.4
...	6.908	-27.447	0.70	...	...	...	5.725	+52.833	1.20	43.7449	9.8	...	...	16.418	+36.475	0.4	...	...
...	6.862	+56.722	0.90	...	...	...	5.898	-59.613	1.05	...	...	...	...	* 16.515	+29.203	1.60	43.7457	9.2
...	6.165	+36.863	0.5	M	...	...	5.923	-42.198	0.1	...	...	...	...	* 16.655	-51.092	1.20	44.7779	9.5
231	-6.148	-54.096	5.00	44.7758	6.2	291	+6.112	-52.002	0.70	...	...	351	+16.896	-38.544	0.2	...	...
S *	5.785	+6.191	0.5	M	...	...	6.149	-52.659	1.00	44.7770	10.0	...	...	16.911	+17.641	0.85	...	...
†	5.185	-48.338	1.05	44.7759	9.7	...	6.184	+28.132	0.4	...	...	S *	16.922	-1.384	1.80	43.7458	9.0	
...	4.903	-4.654	1.00	...	...	...	6.404	+48.612	0.75	...	...	...	...	17.001	+41.946	0.3	...	...
S *	4.740	-14.743	1.30	44.7760	9.3	...	7.078	-2.971	0.90	...	...	...	...	17.078	+13.182	0.3	...	...
...	-4.315	+36.394	0.5	M m	...	...	+7.256	+51.690	0.5	...	...	...	...	+17.098	-50.974	0.5	...	...
...	4.178	-22.714	0.1	...	...	...	7.271	+44.170	1.10	43.7450	10.0	...	...	17.393	+10.359	0.90	...	...
...	4.124	-16.175	0.1	...	...	...	7.318	+34.026	0.95	...	...	...	...	17.822	-10.374	0.4	...	...
...	4.113	+47.485	0.5	m	...	...	7.468	-46.657	0.4	...	...	...	...	17.864	+21.156	0.4	...	...
*	4.008	-53.002	1.10	44.7761	9.8	...	7.549	-29.500	1.00	44.7771	10.0	...	...	17.954	-48.917	0.5	...	...

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-2.	No.	Mag.	x.	y.		-2.	No.	Mag.	x.	y.	-2.	No.		Mag.	x.	y.	-2.	No.	Mag.	x.	y.	-2.	No.	Mag.
361-420						421-480						481-540														
361	+18.087	+34.348	-3	...	...	421	+29.243	+16.772	0.90	...	481	+37.534	-22.254	-5	...	...	...	...	...	...	...	...	...	...	...	...
...	18.139	+31.676	-3	...	...	...	29.286	-59.711	-4	...	...	37.640	-16.657	-5	...	...	...	...	...	...	...	...	...	...	...	...
...	18.226	-15.281	0.65	...	...	S *	29.376	-32.611	2.10	44.7790	8.6	...	37.849	+25.205	0.70	...	...	...	...	...	...	...	...	...	...	...
...	18.375	-34.065	-5	...	...	...	29.498	-57.739	-5	...	...	...	38.354	+24.081	-5	...	...	...	...	...	...	...	...	...	...	...
...	18.678	+26.117	0.70	...	...	...	29.512	-58.297	1.00	44.7791	10.0	...	38.887	+27.208	0.90	...	...	...	...	...	...	...	...	...	...	...
...	+19.020	-58.840	-4	...	...	...	+29.535	-9.074	1.00	...	...	...	+39.351	-3.748	0.70	...	...	...	...	...	...	...	...	...	...	...
...	19.086	-9.924	-3	...	...	...	29.863	-16.732	0.80	...	...	...	39.616	+48.914	0.65	...	...	...	...	...	...	...	...	...	...	...
...	19.696	-48.884	-5	...	...	...	30.072	-27.053	-5	m	...	...	40.176	+32.444	-5	m	...	...	...	...	...	...	...	...	...	...
...	19.981	+26.314	0.95	...	...	...	30.133	-53.662	-5	...	...	...	40.195	-42.498	-5	...	...	...	...	...	...	...	...	...	...	...
...	20.092	+24.264	0.70	...	...	...	* 30.627	+0.938	1.00	...	...	...	40.230	+49.475	0.90	...	...	...	...	...	...	...	...	...	...	...
371	+20.368	+31.012	0.65	...	...	431	+30.637	+50.910	0.80	...	...	491	+40.604	-47.820	-5	...	...	...	...	...	...	...	...	...	...	...
...	20.589	-30.155	-5	...	...	...	30.647	+37.997	-5	m	...	...	* 40.700	-48.807	1.10	44.7799	9.8	...	...	...	...	...	...	...	...	...
n *	20.646	-23.006	1.10	...	...	...	* 30.798	+3.860	1.00	43.7461	10.0	...	41.144	-17.968	-5	...	...	...	...	...	...	...	...	...	...	...
n	20.768	-23.238	1.00	44.7780	9.8	...	...	30.878	+17.082	0.70	...	...	...	41.353	+57.717	-1	...	...	...	...	...	...	...	...	...	...
...	20.665	-50.717	0.65	...	...	...	...	31.088	+45.751	-4	...	...	...	41.480	+34.738	0.90	...	...	...	...	...	...	...	...	...	...
...	+21.052	-28.846	-5	...	...	...	* 31.757	+54.311	1.20	43.7462	9.8	...	...	+41.522	+56.170	-5	m	...	...	...	...	...	...	...	...	...
...	21.207	+18.555	0.80	...	...	...	...	31.879	+0.388	0.70	...	...	...	41.807	+8.126	-2	...	...	...	...	...	...	...	...	...	...
...	21.519	-41.087	-5	...	...	...	...	32.240	-15.398	-5	...	...	...	41.822	+11.362	-5	...	...	...	...	...	...	...	...	...	...
...	21.665	+25.200	-5	m	...	...	...	32.329	+38.510	0.90	...	...	...	41.907	+1.692	-4	b	...	...	...	...	...	...	...	...	...
...	21.784	-0.290	0.80	...	...	...	...	* 32.337	-34.270	-5	...	...	...	42.228	-28.799	-1	...	...	...	...	...	...	...	...	...	...
381	+21.867	-40.530	-5	...	...	441	+32.490	-7.329	-5	...	...	501	+42.340	-14.181	-5	...	...	...	...	...	...	...	...	...	...	...
...	22.089	-54.795	-5	...	...	...	...	32.752	+58.218	-4	...	...	...	42.685	+30.116	-5	m	...	...	...	...	...	...	...	...	...
...	22.106	+31.948	0.70	...	...	...	* 33.122	-8.358	1.10	44.7792	9.8	...	...	43.536	+6.074	-5	m	...	...	...	...	...	...	...	...	...
...	22.421	-33.782	-4	...	...	...	...	33.229	-20.642	0.90	...	...	...	43.612	-39.021	-5	...	...	...	...	...	...	...	...	...	...
...	22.449	+59.411	-4	...	...	...	...	33.305	-10.779	0.80	...	...	...	44.689	+25.522	0.75	...	...	...	...	...	...	...	...	...	...
...	+22.566	+23.005	-5	...	...	...	...	+33.422	+24.574	-5	m	...	...	+45.413	-11.085	0.70	...	...	...	...	...	...	...	...	...	...
*	22.716	-28.094	1.70	44.7781	9.4	...	...	33.699	-16.779	-5	...	...	* 45.652	-48.005	1.50	44.7800	9.4	...	...	...	...	...	...	...	...	...
...	23.059	+14.624	0.70	...	...	...	...	33.826	+5.694	-3	...	...	* 45.816	+52.552	1.50	43.7464	9.4	...	...	...	...	...	...	...	...	...
...	23.373	-51.031	1.00	44.7782	10.0	...	...	* 34.004	-18.030	1.60	44.7793	9.2	...	45.880	+26.092	-5	m	...	...	...	...	...	...	...	...	...
...	23.501	-25.798	0.90	...	...	...	...	34.140	-12.721	0.80	...	...	...	45.905	-9.450	-4	...	...	...	...	...	...	...	...	...	...
391	+23.644	-54.010	-5	...	...	451	+34.293	-49.690	0.70	...	...	511	+46.230	-29.950	1.05	44.7801	9.7	...	...	...	...	...	...	...	...	...
*	23.951	-42.467	2.00	44.7783	9.0	...	...	34.322	+25.300	0.80	...	...	...	46.273	+36.410	-5	m	...	...	...	...	...	...	...	...	...
...	24.023	+1.061	-4	b	...	...	...	34.345	-28.764	0.95	...	...	* 46.584	+44.264	1.50	43.7465	9.2	...	...	...	...	...	...	...	...	...
...	24.159	+48.088	-5	...	...	...	...	34.362	-58.801	0.80	44.7794	10.0	...	46.633	+38.616	-2	...	...	...	...	...	...	...	...	...	...
...	24.650	+31.451	0.75	...	...	...	...	34.436	+51.932	0.70	...	...	* 46.784	-58.037	1.35	44.7802	9.7	...	...	...	...	...	...	...	...	...
...	+24.936	-57.421	-5	...	...	...	...	+34.469	+54.309	-5	m	...	...	+46.966	-18.243	-5	...	...	...	...	...	...	...	...	...	...
...	25.129	-53.257	-1	...	...	...	...	34.548	-15.036	0.70	...	...	...	47.445	-49.606	-5	...	...	...	...	...	...	...	...	...	...
...	25.278	-35.473	-2	...	...	...	...	* 34.906	-15.695	1.30	44.7795	9.4	...	...	48.172	+19.604	0.90	...	...	...	...	...	...	...	...	...
...	25.579	-38.246	1.00	...	...	...	...	35.185	-58.363	0.65	...	...	* 48.673	-21.452	-2	...	...	...	...	...	...	...	...	...	...	...
*	26.066	-33.872	1.00	44.7784	9.8	...	...	35.199	+1.609	-4	a	...	...	* 48.800	+13.527	1.20	43.7467	9.5	...	...	...	...	...	...	...	...
401	+26.355	-16.673	0.65	...	...	461	+35.214	-48.568	0.65	...	...	521	+48.864	+14.176	1.15	43.7466	9.7	...	...	...	...	...	...	...	...	...
...	26.364	-54.282	-1	...	...	...	...	35.375	-22.768	0.85	...	...	...	49.370	+47.013	-5	...	...	...	...	...	...	...	...	...	...
*	26.431	-18.773	1.15	44.7785	9.5	...	...	† 35.417	-9.963	0.70	...	...	...	49.854	-23.082	-3	...	...	...	...	...	...	...	...	...	...
...	26.746	-5.429	-5	...	...	...	...	* 35.555	-8.912	1.10	44.7796	9.8	...	...	50.488	-33.531	-3	...	...	...	...	...	...	...	...	...
...	26.779	-17.464	-5	...	...	...	...	35.852	-42.481	0.65	...	...	...	51.010	-20.192	-5	...	...	...	...	...	...	...	...	...	...
†	+26.871	+49.783	1.10	43.7459	9.4	...	...	+36.005	+48.461	-5	m	...	* 51.372	+48.408	1.15	43.7468	10.1	...	...	...	...	...	...	...	...	...
...	27.197	+25.266	0.70	...	...	...	...	36.030	+31.977	-5	m	...	...	51.903	+7.062	0.85	...	...	...	...	...	...	...	...	...	...
...	27.270	-5.157	1.00	44.7786	10.0	...	...	36.057	+18.808	1.00	...	...	...	52.181	+25.315	-3	...	...	...	...	...	...	...	...	...
*	27.341	-59.453	1.10	44.7787	10.0	...	...	36.119	-34.219	0.70	...	...	...	52.304	+36.428	0.90	...	...	...	...	...	...	...	...	...	...
...	27.487	-47.320	1.00	...	...	...	...	† 36.125	+44.771	0.80	...	...	...	52.363	+7.030	-5	e	...	...	...	...	...	...	...	...	...
411	+27.836	-24.070	-5	...	...	471	+36.148	-39.468	0.80	...	...	531	+52.413	+32.341	1.25	43.7469	9.5	...	...	...	...	...	...	...	...	...
...	27.861	-31.056	-5	...	...	S *	36.282	+36.284	2.00	43.7463	8.8	...	...	52.510	-8.964	-3	...	...	...	...	...	...	...	...	...	...
*	27.932	+36.581	1.90	43.7460	9.0	...	...	36.412	+13.334	0.75	...	...	...	53.513	+12.498	-5	e	...	...	...	...	...	...	...	...
*	28.308	-53.641	1.00	...	...	...	...	* 36.583	-50.508	1.20	44.7798	9.8	...	...	53											

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-550						551-559											
541	+55.577	+10.320	-5	e	...	551	+57.979	-45.366	-4	o	...						
...	55.781	-36.996	-5	...	...	...	58.159	-33.229	1.05	44.7805	9.6						
*	56.019	-53.832	1.30	44.7804	9.6	...	58.299	+55.013	-4	...	...				
...	56.041	+38.831	0.90	...	...	...	58.408	+35.896	-3	...	...				
...	56.101	+59.664	-5	...	...	*	58.505	+53.979	1.10	43.7475	10.0						
*	+56.494	+18.034	1.00	43.7472	10.0	...	+58.965	+48.845	0.90	...	...				
*	57.364	+22.644	1.40	43.7473	9.6	*	59.258	+36.184	2.00	43.7476	8.4						
...	57.384	+27.611	0.75	...	...	...	59.412	+36.231	2.00	...	...				
*	57.685	+1.386	1.10	43.7474	9.8	...	59.512	-0.827	0.90	...	...				
...	57.947	+27.088	0.70	...	...										

1-40						41-80						81-120					
I	-59.527	+13.341	1.40	43.7467	9.5	41	-51.063	+54.093	1.25	43.7475	10.0	81	-43.041	+30.198	-5	M	...
*	59.479	+14.003	1.20	43.7466	9.7	...	51.006	-36.911	-3	...	...	...	42.961	+28.145	-5	M	...
*	59.374	-58.222	1.70	44.7802	9.7	...	50.810	+27.180	0.85	...	...	...	42.890	+43.549	-5	M	...
†	58.947	-49.783	-4	...	...	...	50.806	+17.174	-5	M	...	*	42.795	+30.831	1.15	43.7477	9.7
...	58.870	+18.703	-5	M	...	...	50.613	+35.994	0.65	...	...	...	42.663	+26.288	0.75	...	...
...	-58.866	-0.876	-5	...	...	...	50.461	+48.959	1.05	...	...	...	-42.338	+57.435	-5	M	...
...	58.596	-21.619	-1	...	...	...	50.408	-38.571	-4	...	...	...	41.852	+34.153	0.70	...	...
*	58.011	+48.286	1.35	43.7468	10.0	*	50.281	+1.488	1.20	43.7474	9.8	S*	40.943	+10.808	2.50	43.7478	8.0
...	57.356	-23.202	0.70	...	...	*	50.274	-53.731	1.50	44.7804	9.6	...	40.899	+31.661	0.85	...	...
...	56.720	+36.344	1.10	...	...	...	50.148	+32.042	-5	M	...	...	40.863	-21.954	-5	...	...
II	-56.505	+25.231	-2	...	...	51	-50.102	-55.474	-5	...	...	91	-40.845	+26.609	-4	M	...
*	56.492	+32.261	1.60	43.7469	9.5	†	49.769	+36.324	2.00	...	...	...	40.691	-28.156	-3	...	...
...	56.403	-33.610	0.65	...	...	†	49.611	+36.368	2.00	43.7476	8.4	...	40.634	+15.436	-4	M	...
...	56.277	-20.279	-4	...	...	...	49.423	+27.461	-5	M	...	...	40.449	+26.226	-4	M	...
*	56.237	+6.975	0.90	...	...	...	49.348	-53.342	-3	...	...	...	40.240	-45.429	-3	...	...
...	-56.124	+1.963	-4	M	...	...	-48.855	+43.046	1.00	...	...	...	-40.182	+34.313	-5	M	...
...	56.112	-39.626	-5	...	...	S*	48.759	-33.093	1.00	44.7805	9.6	...	39.341	-46.603	1.00	44.7808	10.0
...	55.782	+6.968	-3	E	...	...	48.572	-45.216	0.80	...	...	*	39.234	+53.312	1.00	43.7479	10.0
...	55.235	-19.709	-4	...	...	...	48.399	+15.487	-5	M	...	...	38.857	-25.054	-5	...	...
...	55.143	-9.012	0.65	...	...	*	48.387	-0.672	0.95	...	...	...	38.812	+18.434	0.70	B	...
2I	-55.010	+53.508	-1	...	...	6I	-48.164	-52.166	-4	...	...	10I	-38.660	-57.078	-5	...	...
...	54.800	+12.457	-4	E	...	...	47.340	+57.450	-4	B	...	*	38.357	+59.066	1.40	42.7318	9.6
†	54.704	-14.115	-5	...	...	...	46.942	+31.336	-2	...	...	...	38.282	-58.498	-5	...	...
...	54.473	-12.409	-5	...	...	*	46.651	-28.810	1.10	44.7806	10.0	...	37.995	-28.650	-3	...	...
*	54.425	+17.522	1.50	43.7470	9.5	...	46.591	+32.315	0.85	...	...	...	37.203	-35.608	-5	...	...
*	-54.315	+10.662	1.15	...	...	...	-45.741	+57.220	-1	...	...	†	-37.195	+54.933	0.80	...	...
*	54.216	+33.305	1.20	43.7471	9.8	...	45.648	+43.343	-4	...	...	...	37.141	+18.298	0.80	...	...
...	53.641	+59.689	0.65	...	...	...	45.245	+42.567	-2	...	...	...	36.689	+25.957	-5	M	...
...	53.627	+11.817	0.80	...	...	*	44.848	-8.317	0.95	...	...	...	36.610	+43.801	0.65	...	...
...	53.443	+11.414	0.90	...	...	*	44.785	-33.602	1.00	44.7807	10.0	...	36.524	-46.670	-5	...	...
3I	-53.272	+14.045	-2	E	...	7I	-44.732	-39.053	0.90	...	...	11I	-35.902	+41.551	-5	M	...
...	53.251	+11.715	-5	M	...	...	44.429	-23.163	0.65	...	...	...	35.762	-33.349	-5	...	...
...	53.060	+38.854	0.95	...	...	...	44.264	+35.306	0.90	...	...	*	35.662	+49.033	1.10	43.7480	10.0
...	52.651	+10.361	-4	E	...	...	44.253	+40.805	-5	M	...	...	35.328	+49.512	-5	M	...
*	51.973	+18.095	1.10	43.7472	10.0	...	43.973	-53.267	-5	...	...	...	35.199	-27.162	0.85	...	...
...	-51.377	+27.691	1.00	...	...	...	-43.907	-8.746	-3	...	...	...	-35.161	-25.710	-5	...	...
...	51.304	+55.103	0.65	...	...	...	43.781	-1.951	-3	...	...	...	35.072	-26.340	-5	M	...
*	51.245	+22.715	1.35	43.7473	9.6	...	43.368	+1.345	-4	M	...	...	34.903	-56.846	-5	M	...
...	51.207	+19.618	-5	M	...	...	43.248	-42.616	0.75	...	...	...	34.841	-7.305	-4	...	...
...	51.170	-57.428	1.05	44.7803	10.0	...	43.056	-15.194	0.85	...	...	...	34.506	-26.193	0.70	A	...

ES measured from 1, 106, 440.
 NM " " 97, 315, 615.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
121-180						181-240						241-300						
I21	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...	...
...	-34°373	+22°818	-5	M	...	*	-21°897	+37°311	1°40	43.7482	9·3	...	-11°100	-34°043	-5	...	...
*	34°314	-31°207	1°00	44.7809	10·0	...	21°682	-18°587	-5	...	...	...	10°827	+42°802	-4	M	...
...	33°415	-48°536	-3	...	...	...	21°627	+39°707	-5	M	...	...	10°297	-28°935	-5	...	...
...	33°073	-28°990	0·80	...	...	...	21°612	-41°640	0·80	...	...	...	10°251	-51°919	-4	...	...
...	32°925	-23°007	-5	...	...	...	21°337	-36°775	0·65	...	...	...	10°143	-1°687	-1	...	...
...	-32°833	+1°919	0·70	A	...	...	-21°216	-2°990	-5	...	...	...	-10°077	-38°867	0·70	...	...
...	32°733	+55°088	-5	M	...	...	21°210	+51°770	-5	M	...	...	10°018	-1°323	-5	...	...
†	32°542	+54°862	0·70	...	...	*	21°018	+46°907	1°00	43.7483	10·0	...	10°009	-34°587	-5	...	...
...	32°110	-10°307	-5	...	...	...	20°707	+22°382	0·70	...	...	...	10°000	+22°681	0·65	...	...
...	31°783	+27°141	0·85	...	...	*	20°594	-23°552	1°05	...	...	...	9°488	+31°325	-5	M	...
I31	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...	...
...	-31°772	-46°327	-5	...	...	...	-20°485	-43°977	0·70	...	...	...	-9°182	-38°406	-2	...	...
...	31°578	-0°922	-5	...	...	...	20°369	-37°856	-1	...	...	...	9°061	-43°587	-4	...	...
...	31°506	+37°274	-5	M	...	...	20°124	-2°095	0·90	43.7484	10·0	*	9°041	-20°994	1°00	44.7814	10·0
...	31°374	+37°682	0·85	...	...	...	19°963	-32°892	-5	...	...	...	8°508	-48°961	-4	...	...
...	31°341	-25°689	0·70	...	...	...	19°787	-53°017	-5	...	...	...	8°499	-25°802	-3	...	...
...	-30°823	-47°876	0·65	...	...	†	-19°703	-53°172	-4	...	...	...	-8°452	-7°285	-3	...	...
...	30°330	-38°551	0·80	...	...	...	18°899	-33°236	0·80	...	...	...	7°971	-8°572	-5	...	...
...	30°244	-26°867	-5	...	...	...	18°758	-31°184	-5	...	...	...	7°891	+20°282	-1	A	...
...	30°016	-26°744	-4	...	...	...	18°521	-41°535	0·75	...	...	...	7°785	+30°334	-1	B	...
...	29°986	-37°504	-3	...	...	...	18°453	+33°003	-1	...	...	...	7°619	-57°522	-4	...	...
I41	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...	...
...	-29°969	-33°800	0·70	...	...	*	-18°272	-47°560	0·90	...	...	...	-7°583	+9°981	-5	M	...
...	29°954	+41°535	-5	M	...	N	18°215	-32°153	-3	44.7813	9·5	*	6°967	+17°463	1°25	43.7490	9·4	
...	29°936	+47°590	-4	...	...	*	18°194	+44°029	1°15	43.7485	10·0	...	6°668	-30°344	-5	...	...
...	29°825	-55°801	0·95	...	...	...	17°994	+38°730	0·80	...	...	...	6°629	-21°430	-5	...	...
...	29°579	-41°809	-5	...	...	*	17°992	+31°680	1°10	43.7486	9·8	...	6°490	+52°376	-5	M	...
...	-29°242	-42°743	0·95	...	...	...	-17°604	-17°416	-5	...	...	...	-6°485	-1°537	-2	...	...
...	29°186	+31°858	-4	M	...	...	17°492	+35°663	0·85	...	...	...	6°472	+31°423	-4	M	...
...	28°297	-29°426	-5	...	...	...	17°261	-52°682	-1	...	...	...	6°248	+51°654	-4	M	...
...	28°251	+39°479	-5	M	...	...	17°003	+42°039	-4	M	...	...	5°965	+53°384	0·90	...	...
...	27°743	-25°115	-5	...	...	...	16°615	+46°371	-3	...	...	...	5°862	-44°092	-3	m	...
I51	...	...	...	...	...	211	...	...	...	...	...	271	...	...	...	...	...
...	-27°668	+53°428	-2	...	...	...	-16°371	-10°923	-1	...	...	...	-5°838	+44°113	-5	M	...
...	27°605	-55°156	-5	...	...	...	16°077	+55°353	-5	...	...	...	5°732	+30°140	0·70	...	...
*	27°525	-24°215	1°00	...	...	...	15°725	-19°993	-4	...	...	...	5°700	+33°381	0·80	...	...
...	27°501	+31°745	-5	M	...	...	15°340	-37°105	0·85	...	...	...	5°640	-10°817	-5	m	...
...	27°440	-27°753	0·75	...	...	*	15°183	+28°621	0·90	43.7487	10·0	...	5°604	+56°269	-5	M	...
...	-27°155	-47°489	-5	...	...	†	-15°103	+54°831	1°80	43.7488	8·8	...	-5°439	+2°472	-4	Mm	...
*	26°504	+36°631	1°05	43.7481	10·0	...	14°873	-45°528	-5	...	...	...	5°396	-10°981	-5	m	...
...	26°011	+55°980	1°00	...	...	...	14°595	-47°486	-5	...	...	...	5°345	-51°736	0·95	...	...
...	25°939	-12°089	0·70	...	...	...	14°594	-48°651	-5	...	...	...	4°985	+46°094	-4	M	...
...	25°772	-58°010	0·70	...	...	...	14°548	-34°170	-4	...	...	...	4°758	+34°433	1°00	43.7491	9·8
I61	...	...	...	...	...	221	...	...	...	...	...	281	...	...	...	...	...
...	-25°474	-56°243	-5	-14°191	-28°875	0·85	†	-4°740	-46°754	0·65
...	25°266	-11°620	-5	...	...	...	14°182	-56°691	0·90	...	...	...	4°599	-31°977	-3	m	...
*	25°171	-20°687	1°00	...	...	...	13°924	-52°375	-1	...	...	...	4°518	+24°714	0·90	...	...
...	24°845	-48°461	-5	...	...	...	13°650	-28°765	-5	...	...	...	4°315	-48°677	-5	m	...
S*	24°613	-12°675	1°00	44.7810	10·0	...	13°602	+17°309	0·70	...	...	...	4°204	-10°928	-4	m	...
*	-24°525	+49°247	1°05	...	...	...	-13°212	-27°811	0·80	...	...	...	-4°001	-58°843	0·95	...	...
...	24°401	+16°506	-3	...	...	...	13°047	+45°585	-3	...	...	...	3°880	+0°230	-4	Mm	...
...	24°291	-30°894	-5	...	...	...	13°017	-45°639	-5	...	...	...	3°857	+26°528	-4	Mm	...
...	24°065	-43°520	-5	12°939	-19°424	-3	†	3°753	-9°937	-4	m	...
*	23°996	-10°409	1°00	44.7811	10·0	N	12°503	-49°625	-4	...	...	...	3°700	+52°799	-5	Mm	...
I71	...	...	...	...	...	231	...	...	...	...	...	291	...	...	...	...	...
†	-23°524	-44°749	0·65	...	...	...	-12°325	-28°175	-4	...	...	...	-3°565	-11°032	-3	m	...
...	23°338	-17°379	-5	...	...	...	12°269	+50°990	-5	M	...	...	3°551	+56°684	1°15	42.7331	9·8
*	23°070	-56°910	1°20	44.7812	9·8	...	12°260	-35°065	-5	...	...	...	3°507	-38°621	-5	m	...
...	23°066	-50°712	-5	...	...	...	12°221	-46°609	-5	...	...	...	3°381	-59°148	0·90	...	...
*	22°722	-6°724	0·95	...	...	...	11°997	-58°503	-5	...	...	...	3°118	-32°419	0·95	...	...
...	-22°395	-34°555	-5	...	...	...	-11°888	-8°932	-4	...	...	S*	-2°723	-57°633	1°70	44.7815	9·0
...	22°376	-24°630	0·65	...	...	...	11°755	+25°282	-3	B	...	*	2°632	-22°022	1°05	44.7816	10·0
...	22°320	-26°567	0·75	...	...	...	11°713	-49°126	-5	...	...	...	2°358	+41°413	-5	Mm	...
†	22°246	-44°731	1°00	...	...	*	11°582	+51°154	1°25	43.7489	9·6	...	2°265	+10°423	-4	Mm	...
...	22°244	+39°419	0·75	...	...	...	11°423	+40°250	-5	M	...	...	1°950	+33°491	0·80	...	...

202. Var.

230. Image faulty.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-360						361-420						421-480					
301	- 1.712	- 15.378	- 3	...	...	361	+ 8.301	- 32.697	- 1	b	...	421	+ 17.446	+ 39.763	- 5	m	...
...	1.506	+ 34.336	- 5	M m	...	...	8.584	- 42.725	0.65	a	...	...	17.555	+ 46.469	- 3	m	...
...	1.294	+ 23.259	- 5	M m	...	...	8.588	+ 54.515	0.65	b	...	...	17.804	- 47.266	0.70	a	...
...	1.169	- 56.036	- 5	m	...	...	8.908	- 34.654	- 5	m	...	...	17.847	- 11.685	- 4	m	...
...	1.046	- 36.917	- 4	m	...	*	8.914	- 31.968	0.90	...	...	...	17.882	- 52.190	- 5	m	...
...	- 0.928	- 16.233	- 3	m	...	*	+ 9.073	- 15.175	1.20	44.7820	9.7	...	+ 17.974	+ 29.518	0.90	b	...
...	0.723	+ 20.664	- 4	M m	...	...	9.977	+ 37.082	- 5	m	...	...	18.070	- 51.631	- 5	m	...
...	0.667	- 52.007	- 4	m	...	...	9.994	+ 19.137	- 1	b	...	...	18.529	- 5.957	0.90	...	...
...	0.612	- 24.763	- 4	m	...	†	10.054	+ 38.835	- 3	m	...	...	18.722	- 15.524	- 4	m	...
...	0.581	- 43.032	- 3	m	...	†	10.216	- 20.318	- 5	m	...	...	18.796	+ 11.269	- 3	m	...
311	- 0.435	- 4.405	0.70	m	...	371	+ 10.257	+ 19.310	0.70	...	...	431	+ 18.918	+ 42.604	0.85	...	...
...	0.174	- 14.201	- 4	m	...	*	10.354	+ 28.892	1.15	43.7495	9.6	...	18.968	+ 22.320	0.75	...	...
...	- 0.028	- 37.799	- 3	m	...	...	10.385	- 43.012	- 4	m	...	*	19.079	- 51.365	2.00	44.7825	8.8
...	+ 0.103	- 19.018	- 5	m	...	...	10.420	- 6.314	0.90	44.7821	10.0	*	19.107	+ 42.750	1.40	43.7498	9.6
S*	0.292	+ 39.833	1.40	43.7492	9.3	...	10.549	+ 11.553	0.70	b	...	...	19.507	+ 33.276	- 5	m	...
*	+ 0.519	- 44.314	1.15	44.7817	9.4	...	+ 10.964	+ 2.452	- 5	m	...	...	+ 19.509	+ 50.302	- 5	m	...
...	0.695	- 23.809	0.70	...	...	...	11.055	+ 26.112	0.70	b	...	...	19.673	- 7.414	0.65	b	...
...	0.751	+ 16.554	0.70	B m	...	...	11.142	+ 52.737	0.90	...	...	...	19.774	+ 31.121	- 5	m	...
†	0.854	+ 30.025	0.70	B m	...	*	11.408	- 12.856	1.00	44.7822	9.8	...	19.908	- 4.658	- 4	m	...
...	1.001	+ 2.187	- 5	M m	...	...	11.409	- 9.792	0.70	...	...	...	20.192	+ 18.680	- 5	m	...
321	+ 1.671	- 10.602	0.70	m	...	381	+ 11.430	- 17.267	0.70	...	...	441	+ 20.342	- 10.777	0.75	...	...
...	1.719	+ 28.525	0.80	...	...	S*	11.432	+ 22.408	1.70	43.7496	9.0	...	20.417	- 26.978	0.85	...	...
*	1.780	+ 17.780	1.05	43.7493	9.8	*	11.708	+ 58.387	1.60	42.7339	9.8	...	20.608	+ 22.787	0.70	...	...
...	2.220	+ 21.940	- 5	M m	...	*	12.134	- 53.611	1.70	44.7823	9.3	†	20.614	+ 29.949	0.90	...	...
...	2.397	+ 31.427	- 5	M m...	...	...	12.350	- 36.131	0.70	...	...	...	20.784	+ 51.936	- 2	...	...
...	+ 2.441	- 46.757	- 3	m	...	...	+ 12.589	- 11.081	- 5	m	...	...	+ 21.016	- 50.196	0.65	...	...
...	2.654	+ 38.430	- 5	M m	...	...	12.600	- 9.498	- 5	m	...	...	21.214	+ 33.956	- 2	m	...
...	2.763	+ 21.822	0.70	B m	...	...	12.711	+ 35.547	0.70	...	...	...	21.219	+ 53.931	- 5	m	...
...	3.154	- 24.731	0.70	...	...	...	12.712	- 11.705	0.65	a	...	...	21.303	+ 6.045	0.70	...	...
...	3.177	- 50.877	- 4	m	...	...	12.874	+ 41.369	0.80	...	...	...	21.469	+ 10.032	- 3	m	...
331	+ 3.529	+ 47.144	0.90	...	...	391	+ 12.891	+ 14.793	0.65	b	...	451	+ 21.554	+ 11.340	0.70	...	...
...	3.648	+ 19.636	0.70	B m	...	...	13.062	- 13.694	- 5	m	...	...	21.560	- 19.092	- 3	...	...
...	3.703	+ 12.912	- 5	M m	...	...	13.424	+ 52.876	- 5	m	...	...	21.828	+ 40.134	- 5	m	...
*	3.758	- 21.966	1.00	...	...	...	13.653	- 17.813	0.70	...	...	...	21.852	- 9.746	0.70	...	...
...	3.842	- 41.572	0.70	...	...	...	13.727	- 20.827	- 5	m	...	...	21.930	- 53.061	0.75	...	...
...	+ 3.999	+ 23.163	0.75	A m	...	...	+ 13.800	- 12.150	- 5	m	...	*	+ 22.114	- 5.432	1.10	44.7826	9.7
...	4.039	- 55.402	- 5	m	...	...	13.836	- 34.441	- 5	m	...	...	22.327	- 17.006	0.75	...	...
...	4.088	+ 5.168	0.65	B m	...	...	13.903	- 45.849	0.70	...	...	...	22.394	+ 55.143	0.90	...	...
...	4.415	- 31.234	0.70	...	...	...	14.047	- 24.715	0.75	44.7824	10.0	...	22.676	+ 39.430	- 1	b	...
...	4.439	+ 57.742	1.40	42.7333	9.4	...	14.142	- 46.339	- 5	m	...	...	23.010	- 46.515	- 5	m	...
341	+ 4.642	+ 43.259	- 5	M m	...	401	+ 14.215	+ 41.081	0.80	...	...	461	+ 23.223	+ 17.403	0.80	...	...
n*	4.834	- 47.858	1.10	44.7818	9.8	...	14.285	- 41.584	0.70	...	...	...	23.229	- 24.336	- 4	m	...
...	5.090	- 23.745	0.75	...	...	...	14.436	- 14.584	- 5	m	...	*	23.763	- 56.642	1.00	44.7827	9.8
n*	5.120	- 47.857	1.00	44.7818	9.8	...	14.553	- 5.084	- 5	m	...	...	23.833	+ 16.849	- 5	m	...
...	5.467	+ 14.614	- 3	M m	...	...	14.621	+ 23.385	- 5	m	...	...	23.943	+ 34.206	0.65	...	...
...	+ 5.603	- 47.505	0.70	...	...	...	+ 14.662	- 30.425	- 5	m	...	...	+ 24.091	- 15.666	- 5	m	...
...	5.871	- 52.855	- 4	m	...	*	14.783	+ 14.526	1.80	43.7497	9.2	...	24.404	+ 44.862	- 3	m	...
...	5.906	+ 44.185	- 5	m	...	...	14.912	+ 30.230	0.70	b	...	...	24.432	+ 57.562	- 5	m	...
S†	5.934	- 34.733	1.50	44.7819	9.4	...	15.024	+ 59.050	- 5	m	...	...	24.491	- 10.913	- 5	m	...
...	6.311	- 50.830	- 5	M m	...	...	15.039	- 10.823	0.70	...	...	...	24.509	- 48.930	- 5	m	...
351	+ 6.365	+ 24.089	1.10	43.7494	9.7	411	+ 15.306	- 12.559	- 5	m	...	471	+ 24.602	+ 51.982	- 5	m	...
...	6.382	+ 56.145	- 1	...	...	...	15.451	- 15.575	- 5	m	...	...	24.710	+ 36.545	- 4	m	...
...	6.724	+ 14.456	- 5	m	...	†	15.566	+ 5.133	0.95	...	...	...	24.885	- 2.643	- 4	m	...
...	7.523	- 9.169	- 5	m	...	...	15.733	- 16.642	- 5	m	...	...	24.903	+ 50.373	- 2	m	...
...	7.682	- 5.920	- 5	m	...	...	15.972	- 31.664	- 5	m	...	...	24.941	- 29.550	- 4	m	...
†	+ 7.770	- 9.931	- 5	m	...	...	+ 16.020	- 43.861	- 5	m	...	†	+ 25.133	- 51.783	- 1	...	...
...	7.804	+ 18.717	0.85	b	...	...	16.256	+ 15.408	0.80	...	...	†	25.157	- 24.329	0.95	44.7828	9.8
...	7.848	- 20.182	- 5	m	...	...	16.875	+ 18.751	0.70	b	...	...	25.243	- 13.470	- 1	b	...
...	7.850	+ 28.659	- 5	m	...	...	17.061	- 35.668	- 5	m	...	...	25.246	+ 20.824	- 1	b	...
...	8.245	- 7.496	0.70	a	...	...	17.311	+ 36.980	- 3	m	...	...	25.649	+ 26.264	- 5	m	...

342, 344. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
481-540						541-600						601-660					
48I	+25'729	+18'042	-4	m	...	54I	+32'643	-43'675	1.10	44.7831	9.5	60I	+38'436	+5'064	-2	b	...
...	25'929	-53'616	-5	m	...	...	32'853	-31'303	-5	m	...	...	38'683	+3'582	-5	m	...
...	26'185	-0'171	-5	m	...	...	32'858	+44'504	-3	m	...	...	38'740	+18'651	0.75	...	...
...	26'646	-29'076	0.70	...	...	...	33'038	-18'476	-2	m	...	...	39'053	+2'591	-5	m	...
...	26'875	+12'512	-1	b	...	...	33'082	-53'220	1.70	44.7832	9.2	...	39'196	-39'373	-3	m	...
...	+26'954	+21'435	0.85	...	...	...	+33'161	-40'889	-5	m	...	...	+39'284	+32'903	-5	m	...
...	27'224	-49'817	-4	m	...	...	33'212	-47'412	1.05	...	...	...	39'491	-42'645	-5	m	...
...	27'245	+16'220	-4	m	...	...	33'434	-38'771	0.75	...	...	...	39'539	+39'502	-5	m	...
...	27'291	+24'460	-2	m	...	...	33'673	-8'477	-5	m	...	...	39'577	-4'757	-1	a	...
...	27'536	-10'305	-5	m	...	...	33'717	+3'910	-4	m	...	...	39'731	+29'076	-3	m	...
49I	+27'569	+50'122	0.95	43.7500	9.8	55I	+33'791	-46'031	1.05	44.7833	9.8	61I	+39'732	-15'131	1.60	44.7837	9.2
S*	27'638	+54'408	2.10	43.7499	8.8	...	33'843	-37'656	-2	...	...	...	39'760	-21'243	-4	m	...
...	27'741	+19'346	-3	m	...	...	33'969	-39'225	-5	m	...	...	40'031	-50'270	0.90	...	...
...	27'953	+50'174	1.70	43.7501	9.4	...	33'985	-21'921	-3	...	...	...	40'059	-48'249	-3	m	...
...	28'019	+35'288	-5	m	...	...	34'046	+40'562	0.90	...	...	...	40'178	+20'459	-4	m	...
...	+28'208	+23'114	0.95	...	...	...	+34'353	-2'086	0.85	...	...	...	+40'648	+13'506	-5	m	...
...	28'390	+55'229	-5	m	...	...	34'370	+6'960	-5	m	...	...	40'657	+31'446	1.00	43.7511	10.0
...	28'464	-44'217	-4	m	...	...	34'523	-53'003	1.30	44.7834	9.6	...	40'677	+20'790	-5	m	...
...	28'708	+9'899	-5	m	...	...	34'921	+52'464	2.20	43.7507	8.4	...	40'693	-58'775	-5	m	...
...	28'876	-18'033	0.70	...	...	...	35'205	+32'731	-5	m	...	...	40'760	-34'915	-5	m	...
50I	+28'949	+18'776	-3	m	...	56I	+35'325	-18'550	-5	m	...	62I	+40'907	-4'935	-3	m	...
...	28'983	-2'023	-5	m	...	...	35'367	+8'204	-5	m	...	...	41'010	-26'552	-4	m	...
...	* 29'016	+24'429	1.05	43.7502	10.0	...	35'441	+30'290	-5	m	...	...	41'046	-24'387	-5	m	...
...	29'084	-58'874	-5	m	...	...	35'517	+38'341	-5	m	...	...	41'059	-34'202	1.10	44.7838	9.7
...	29'194	-59'272	-5	m	...	...	35'551	+45'127	-5	m	...	...	41'251	+13'485	0.95	...	...
...	+29'204	+23'881	-5	m	...	...	+35'575	-48'605	-5	m	...	...	+41'272	+22'442	-5	m	...
...	* 29'216	+30'988	1.50	43.7503	9.4	...	35'608	-54'803	1.10	44.7835	9.6	...	41'512	+15'580	-5	m	...
...	* 29'243	+10'849	1.00	43.7504	9.8	...	35'609	+19'884	0.85	...	...	...	41'664	-42'476	-5	m	...
...	29'341	-51'686	0.70	...	...	...	35'664	+3'706	-5	m	...	...	41'948	-54'729	-5	m	...
...	29'471	-5'130	0.75	...	...	...	35'803	+9'764	0.65	b	...	...	41'951	-12'937	0.70	a	...
51I	+29'750	-49'441	-4	...	...	57I	+35'819	-58'244	-5	m	...	63I	+42'071	-23'322	0.75	...	...
...	† 30'141	+49'520	1.25	43.7505	9.5	...	35'877	+31'318	-4	m	...	...	42'078	-34'074	-5	m	...
...	* 30'341	-52'324	1.05	44.7829	9.8	...	35'938	-19'486	-5	m	...	...	* 42'115	+8'329	1.10	43.7512	9.7
...	30'426	-30'823	-3	m	...	...	36'125	+59'694	0.75	...	...	...	42'146	-28'037	-5	m	...
...	* 30'446	-45'631	0.95	...	...	...	36'163	+6'550	-1	b	...	...	* 42'231	-47'375	1.10	44.7839	10.0
...	+30'485	-0'455	-2	m	...	...	+36'167	-23'795	1.00	44.7836	10.0	...	+42'323	-42'918	-4	m	...
...	30'494	-3'003	-5	m	...	...	36'266	-44'005	-2	...	...	...	† 42'546	-49'757	0.80	...	...
...	30'718	-42'376	-5	m	...	...	* 36'285	+30'662	1.80	43.7508	9.2	...	42'596	+21'480	-3	m	...
...	30'801	+1'733	-2	m	...	...	36'470	+6'725	-1	b	...	...	42'613	-17'499	-4	m	...
...	30'842	-5'200	-4	m	...	...	36'535	+6'725	0.65	b	...	...	42'891	+32'026	-5	m	...
52I	+30'898	+40'040	-3	...	...	58I	+36'685	+4'970	1.60	43.7509	9.2	64I	+42'941	+19'822	-5	m	...
...	31'006	-20'461	-3	m	...	...	36'727	+32'047	-3	m	...	...	* 43'040	-54'065	1.60	44.7841	9.4
...	31'033	-10'527	-5	m	...	...	36'810	-11'059	-2	...	...	...	43'070	-21'351	-5	m	...
...	31'062	+4'127	-4	m	...	...	36'833	+11'395	-5	m	...	...	43'089	-30'309	-5	m	...
...	31'137	-13'397	-1	a	...	...	36'838	-54'681	-3	...	...	...	† 43'305	-9'812	0.70	b	...
...	+31'463	-1'267	-5	m	...	...	* 36'936	+42'259	0.95	...	...	...	* 43'321	-7'399	1.00	44.7840	10.0
...	31'610	+6'658	0.90	43.7506	10.0	...	36'983	-2'011	-5	m	...	...	43'348	-9'619	-5	m	...
...	31'668	-1'812	-4	m	...	...	37'374	+14'620	-5	m	...	...	43'596	-4'338	-5	m	...
...	31'760	+44'335	-4	m	...	...	37'405	+7'651	-5	m	...	...	43'606	+3'519	0.75	...	...
...	31'800	-28'291	-4	m	...	...	37'423	-55'726	-5	m	...	...	* 43'721	-35'197	0.85	a	...
53I	+31'861	+11'878	-2	m	...	59I	+37'438	+41'165	-5	m	...	65I	+43'921	+6'033	0.70	b	...
...	32'026	+3'406	-5	m	...	...	37'873	+19'204	-4	m	...	...	43'951	-41'508	-5	m	...
...	32'084	+32'885	-4	m	...	...	37'882	+41'255	-4	...	...	...	44'247	-5'083	-5	m	...
...	32'192	+40'687	-4	m	...	...	38'013	-50'620	-5	m	...	...	44'400	-22'460	-5	m	...
...	32'224	-1'153	-5	m	...	...	38'062	+47'900	0.95	...	...	...	44'488	-32'950	0.85	...	...
...	* 32'245	-27'367	1.10	44.7830	9.5	...	* 38'108	+23'613	1.70	43.7510	9.3	...	+44'544	+59'032	-5	m	...
...	32'325	-33'396	-3	m	...	...	38'162	-57'915	-5	m	...	...	44'580	+50'414	-5	m	...
...	† 32'399	-44'785	-4	m	...	...	38'302	-17'427	-5	m	...	...	44'601	-58'913	-5	m	...
...	32'481	-41'156	-5	m	...	...	38'308	+36'698	-3	m	...	...	44'676	+8'102	-5	m	...
...	32'513	+6'662	-5	m	...	...	38'339	-59'602	-5	m	...	...	44'775	-47'443	-5	m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.						
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.					
661-710						711-760						761-787										
661	...	+44.978	-40.742	-4	m	...	...	+50.373	-38.904	0.95	...	...	661	...	+56.141	-57.135	-4	e	...	...
†	...	44.997	+47.257	-5	m	...	...	50.586	-47.734	-5	e	...	...	...	56.196	+9.807	0.80	...	...	...
...	...	45.100	+34.859	-4	m	...	...	50.702	-53.103	-3	...	...	...	*	56.558	+29.245	1.10	43.7518	9.8	9.8	
...	...	45.347	-39.945	-4	...	...	...	50.746	-51.822	1.15	44.7851	9.8	...	...	56.626	-16.173	-5	e	...	...
...	...	45.489	+29.818	-5	m	...	...	50.858	-33.493	1.60	44.7850	9.4	...	...	56.645	-26.571	-5	m	...	...
...	...	+45.660	-30.192	0.75	...	...	...	+50.876	+30.918	1.50	43.7516	9.2	...	...	56.727	-16.989	-4	...	...	...
...	...	45.669	-13.151	-5	m	...	...	50.884	+12.778	1.00	43.7517	9.8	...	...	56.731	+19.107	-5	e	...	...
...	...	45.701	-46.808	-1	...	...	...	50.953	-14.442	-5	m	...	...	...	56.789	+41.542	-5	...	...	...
...	...	45.857	+28.240	-1	b	...	...	51.264	-34.928	2.00	44.7852	8.6	...	...	56.853	-19.397	-5	e	...	...
*	...	45.884	-22.702	1.05	44.7843	10.0	...	...	51.268	-9.425	-1	e	...	...	...	56.892	+48.941	-5	e	...	...
671	...	+45.897	+36.228	-5	m	...	...	711	...	+51.380	-51.368	-2	...	...	...	+56.954	-44.856	-5	...	...	...
*	...	45.921	-9.599	1.00	44.7842	9.8	...	...	...	51.411	-11.731	-1	e	...	...	57.066	-25.733	-5	e	...	...
...	...	46.265	-23.209	-5	m	...	...	...	...	51.525	-7.125	-4	e	...	...	57.067	-26.512	0.70	...	...	...
*	...	46.457	+14.251	1.00	43.7513	10.0	...	...	...	51.766	+38.613	-5	m	...	...	57.456	-12.036	-5	e	...	...
...	...	46.459	-52.200	-5	m	...	...	...	...	51.840	+13.758	0.90	...	...	...	57.665	+6.164	-4	e	...	...
...	...	+46.527	-18.818	-5	m	...	...	*	...	+51.863	-25.881	1.20	44.7853	9.8	...	+57.906	+26.992	-5	e	...	...
*	...	46.589	-51.186	1.60	44.7844	9.4	...	...	...	52.090	+18.491	0.70	e	...	...	58.118	+21.647	-3	e	...	...
...	...	46.726	+20.894	0.70	b	...	...	...	...	52.356	-0.925	-5	e	...	...	58.583	-24.285	0.70	...	...	...
...	...	46.943	+23.704	-2	b	...	...	...	...	52.548	+15.245	0.80	...	...	*	58.717	+18.429	1.00	43.7519	9.7	9.7
...	...	47.165	-25.152	-5	m	52.681	+49.406	-5	e	58.759	-26.549	-2	e
681	...	+47.263	+8.406	-5	m	...	...	731	...	+52.750	-43.132	1.70	44.7854	9.0	S*	+58.910	+19.057	3.20	43.7520	7.3	7.3
...	...	47.280	-21.830	0.70	...	...	...	...	...	52.751	-47.860	-1	...	...	*	59.004	+27.831	1.00	43.7521	10.0	10.0
...	...	47.375	-21.230	0.70	...	...	...	...	...	52.753	-50.567	0.70	...	...	...	58.135	-30.725	0.70	...	...	...
...	...	47.394	-0.783	-5	m	...	...	...	...	52.903	-37.004	0.70	...	...	...	59.172	+17.144	-5	e	...	...
*	...	47.439	-29.111	0.90	44.7845	10.0	53.043	-24.494	-5	e	59.292	-18.799	-5	e
S*	...	+47.485	-42.614	2.70	44.7846	7.8	+53.109	+30.931	-5	m	+59.504	-12.656	-4	e
...	...	47.560	-36.876	-5	e	53.112	+24.635	1.00	59.925	-13.629	-5	e
*	...	47.755	-27.253	1.10	44.7847	9.5	...	...	...	53.142	+59.596	-1	42.7364	10.0	...	...	...	...	...	...	...
...	...	47.925	+1.457	0.80	...	...	...	...	...	53.216	-12.170	-5	e	...	...	...	...	...	...	...	...
...	...	47.975	-32.129	-5	e	...	...	...	...	53.232	-51.050	-1	...	...	...	...	...	...	...	...	...
691	...	+48.291	-32.956	0.90	...	...	...	741	...	+53.330	-28.035	-5	m	...	...	...	...	...	...	...	...
...	...	48.531	+47.304	-4	m	...	...	*	...	53.414	-19.880	1.10	44.7855	9.6	...	...	...	...	...	...	...
...	...	48.548	-51.891	-5	e	...	...	...	...	53.469	-4.147	-5	e	...	...	...	...	...	...	...	...
*	...	48.726	-20.993	1.00	44.7848	9.8	...	...	...	53.490	-18.236	1.00	...	...	...	...	...	...	...	...	...
...	...	48.870	-59.443	-5	e	...	...	...	...	53.552	+48.931	-5	m	...	...	...	...	...	...	...	...
...	...	+49.076	+8.894	-5	m	...	...	...	...	+53.665	-41.420	-4	...	...	...	...	...	...	...	...	...
...	...	49.090	+22.040	0.65	e	...	...	...	...	53.765	+11.057	0.65	e	...	...	...	...	...	...	...	...
...	...	49.151	+14.808	-5	e	...	...	...	...	53.777	-4.266	-5	m	...	...	...	...	...	...	...	...
*	...	49.184	+4.156	1.05	43.7515	9.7	...	...	...	54.011	-22.908	-5	e	...	...	...	...	...	...	...	...
...	...	49.197	-10.233	-5	m	...	...	...	...	54.028	-55.621	-5	...	...	...	...	...	...	...	...	...
701	...	+49.374	-4.726	-5	m	...	...	751	...	+54.450	+34.428	-1	e	...	...	...	...	...	...	...	...
*	...	49.537	+1.874	0.85	...	...	...	*	...	54.882	-42.275	1.10	44.7856	9.8	...	...	...	...	...	...	...
...	...	49.567	-53.170	-2	...	...	...	†	...	55.028	+4.549	0.80	...	...	...	...	...	...	...	...	...
*	...	49.581	+39.777	1.70	43.7514	9.2	...	†	...	55.072	-36.102	-5	e	...	...	...	...	...	...	...	...
...	...	49.722	-41.470	0.90	44.7849	10.0	...	†	...	55.307	-39.822	-4	...	...	...	...	...	...	...	...	...
...	...	+49.746	-51.401	0.70	...	...	...	...	...	+55.493	-32.212	-4	...	...	...	...	...	...	...	...	...
N	...	49.750	-58.475	-3	...	...	...	...	...	55.774	-34.604	-5	e	...	...	...	...	...	...	...	...
...	...	49.854	-59.198	-5	e	...	...	...	...	55.805	-24.289	-5	e	...	...	...	...	...	...	...	...
...	...	49.894	-4.299	0.65	e	...	...	...	...	55.861	+32.916	0.65	...	...	...	...	...	...	...	...	...
...	...	50.340	-12.585	-5	e	...	...	...	...	55.937	+40.344	-5	e	...	...	...	...	...	...	...	...

707. Mass. 45°-98, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-60						61-120						121-180						
I	-59°579	-29°311	0.95	44.7845	10.0	61	-52°387	+41°612	5	...	...	121	-44°281	+20°432	0.65	...	...
*	59°524	+39°628	1.60	43.7514	9.2	*	52°240	+29°306	1.00	43.7518	9.8	...	44°271	-29°221	5	...	...
...	59°496	+21°885	5	E	...	...	52°178	-55°613	5	...	...	...	44°150	+51°087	5	...	...
*	59°328	-27°431	1.15	44.7847	9.5	...	52°016	+9°876	0.90	...	...	...	44°140	+17°839	5	...	...
...	59°218	-37°068	5	E	...	...	51°757	+19°194	5	E	...	...	43°947	-56°846	5	...	...
...	-59°199	+14°653	5	E	...	...	-51°740	-36°063	5	E	...	...	-43°794	-32°476	4	...	...
S*	59°123	-42°793	2.80	44.7846	7.8	*	51°738	-42°249	1.05	44.7856	9.8	...	43°753	+2°120	4	...	...
...	58°967	-32°309	5	E	...	...	51°734	+47°949	5	M	...	...	43°695	+6°496	5	...	...
*	58°857	+3°995	1.00	43.7515	9.7	...	51°433	-32°160	5	...	...	...	43°629	-33°959	5	...	...
...	58°602	-33°123	1	...	...	†	51°388	-39°763	5	...	...	...	43°604	-3°670	0.70	...	...
II						71						131						
*	-58°548	-21°140	1.00	44.7848	9.8	...	-51°342	-24°220	5	E	...	...	-43°564	+55°234	0.65	...	...
...	58°427	+1°735	0.70	...	...	...	51°073	-34°544	5	E	...	...	43°562	-57°914	3	...	...
*	57°982	+30°814	1.60	43.7516	9.2	...	50°926	+9°226	5	M	...	...	43°489	+1°769	0.70	...	...
...	57°889	-4°423	5	E	...	...	50°827	+27°091	5	E	...	...	43°485	+17°771	5	...	...
...	57°779	-52°048	5	E	...	...	50°781	-16°084	5	E	...	...	* 43°278	-56°073	1.00	44.7858	9.8	
*	-57°410	+12°670	1.00	43.7517	9.8	...	-50°657	-16°891	3	...	...	...	* -43°193	-45°365	1.15	44.7859	9.5	
...	57°233	-59°573	5	E	...	...	50°523	+21°184	5	M	...	...	...	43°090	+20°991	5	...	...
...	57°176	-12°693	5	E	...	...	50°470	-19°291	5	E	...	...	...	* 43°089	-31°001	0.95	44.7861	10.0
...	56°920	-41°598	0.85	44.7849	10.0	...	50°454	+21°756	4	E	...	...	...	* 43°077	-33°979	1.30	44.7860	9.4
...	56°749	+49°359	5	E	...	...	50°429	+6°269	3	E	...	...	...	...	43°048	-0°601	5	...
2I						81						141						
...	-56°725	-53°299	5	...	...	...	-50°080	-11°939	5	E	...	...	...	-43°044	-11°506	5	M	...
...	56°721	-21°144	5	M	...	...	50°058	-25°621	5	E	...	...	...	42°748	-53°945	4	...	...
...	56°593	-51°525	0.65	...	...	...	50°028	-26°405	0.70	...	...	...	...	42°620	-16°071	5	M	...
...	56°587	+59°556	1	42.7364	10.0	...	50°014	-57°036	5	...	...	...	...	42°606	-25°151	0.65	...	...
...	56°488	+13°686	0.80	...	...	*	49°769	+27°973	0.95	43.7521	10.0	*	...	42°598	+37°668	1.00	43.7525	10.0
...	-56°389	-58°542	5	...	...	*	-49°752	+18°579	1.00	43.7519	9.7	...	...	-42°447	-55°786	4	...	...
...	56°383	+18°426	4	E	...	S†	49°565	+19°205	3.00	43.7520	7.3	...	...	42°303	-58°229	3	...	...
...	56°363	-9°514	4	E	...	...	49°265	+17°289	5	E	...	...	...	42°185	+30°655	0.80	43.7526	10.0
...	56°347	-38°992	0.70	...	...	...	48°959	+51°137	0.65	...	...	...	...	41°909	-16°693	5	M	...
...	56°258	-59°300	5	E	...	...	48°591	-24°147	0.75	...	...	...	...	41°877	-15°966	5	M	...
3I						91						151						
...	-56°168	-7°199	5	E	...	...	-48°553	+20°642	0.75	...	...	...	...	-41°732	-35°722	1	...	...
...	56°133	-11°803	4	E	...	*	48°482	+38°731	1.20	43.7522	9.7	...	...	41°691	-26°775	5	M	...
*	56°045	-33°558	1.30	44.7850	9.4	...	48°346	-26°409	3	E	...	...	...	41°283	-46°599	4	...	...
...	55°867	-47°836	5	E	...	...	48°053	-18°614	5	E	...	...	...	41°248	+27°191	0.90	...	...
...	55°818	+15°186	0.65	...	...	...	48°034	-12°473	3	E	...	...	...	41°103	-1°422	5	M	...
S*	-55°587	-35°012	2.00	44.7852	8.6	...	-47°831	-30°558	2	...	...	...	...	-41°067	-6°902	5	M	...
...	55°587	-53°187	5	...	...	...	47°826	+50°481	0.75	...	...	...	...	40°890	-11°897	3	M	...
*	55°573	-51°910	1.10	44.7851	9.8	...	47°573	-13°435	5	E	...	...	...	40°696	-38°117	5	M	...
...	55°554	+24°600	0.85	...	...	...	47°489	-8°982	2	...	...	...	...	40°633	+0°532	0.70	...	...
...	55°544	-0°968	5	E	...	...	47°173	+38°800	3	M	...	...	...	40°371	-27°849	5	M	...
4I						101						161						
*	-55°257	-25°933	0.95	44.7853	9.8	...	-47°120	-22°217	5	M	...	...	...	-40°370	+58°966	0.95	...	...
...	54°973	-51°426	5	...	...	...	47°006	+27°801	2	...	...	...	...	40°349	+34°821	1	B	...
...	54°521	+34°428	1	E	...	...	46°632	+14°000	0.90	...	...	S*	...	40°331	+3°894	1.00	43.7527	9.4
...	54°480	+11°041	3	E	...	...	46°575	-27°038	0.90	...	...	...	...	40°169	-41°680	2	...	...
...	54°319	-12°181	5	E	...	...	46°506	+10°731	5	M	...	...	...	39°561	+18°339	5	M	...
...	-54°310	-4°153	4	E	...	...	-46°461	-5°055	5	M	...	...	...	-39°520	-31°556	5	M	...
...	54°103	-24°530	5	E	...	...	46°341	+14°607	5	M	...	...	...	39°462	+23°493	5	M	...
*	53°894	-19°894	1.00	44.7855	9.6	...	46°080	+48°790	4	M	...	...	...	39°437	+17°715	5	M	...
...	53°872	-37°039	0.70	...	...	...	45°986	-2°036	5	M	...	...	...	39°279	+37°845	5	M	...
...	53°855	-18°248	0.80	...	...	...	45°508	-32°448	5	M	...	...	...	39°152	+32°677	5	M	...
5I						111						171						
*	-53°853	-43°164	1.70	44.7854	9.0	...	-45°451	+27°800	5	M	...	...	...	-38°983	-15°404	0.80	...	...
...	53°698	-47°898	1	...	...	...	45°224	+2°709	3	M	...	...	*	38°869	-54°408	1.20	44.7862	10.0
...	53°597	-50°592	0.70	...	...	...	45°143	+3°418	5	M	...	...	...	38°854	+8°613	5	M	...
...	53°217	+40°406	5	E	...	...	45°075	-18°611	0.95	44.7857	10.0	...	...	38°608	+14°017	5	M	...
...	53°194	-22°902	5	E	...	*	44°861	+47°151	1.05	43.7524	9.8	...	...	38°229	-37°341	5	M	...
...	-53°104	-51°055	1	...	...	†	-44°743	+25°434	3	M	...	...	...	-38°061	-41°605	5	M	...
...	53°061	+32°968	2	...	...	n†	44°617	+5°930	0.75	43.7523	10.0	...	...	38°001	+15°193	4	M	...
...	53°036	+4°564	0.80	...	...	†	44°614	-22°215	3	...	...	*	...	37°999	+6°942	1.10	43.7528	9.5
...	52°983	-41°422	5	...	...	...	44°453	-51°134	5	M	...	...	...	37°974	-4°144	5	M	...
...	52°495	+49°016	5	E	...	n	44°452	+5°865	0.75	43.7523	10.0	...	...	37°922	+15°313	5	M	...

NM measured from 1, 165, 367, 598, 817, 998. ES ,, ,, 87, 256, 484, 718, 917, 1054.

NM's estimates of diameters under 1.0 not reliable. 117, 120. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-37'899	-41'885	-5	M	...	241	-31'401	+19'370	-5	M	...	301	-25'171	-15'403	0'70	...	...
*	37'831	-54'364	1'05	44.7863	10'0	...	31'361	+5'229	-5	M	...	...	25'159	-35'146	-5	M	...
...	37'648	-10'426	-5	M	...	...	31'301	+18'022	-5	M	...	*	25'134	-32'926	1'20	44.7871	9'4
...	37'620	-9'738	0'70	...	...	...	31'291	-49'122	1'00	...	...	...	25'028	-9'970	-4	M	...
...	37'250	-58'030	0'70	...	...	*	31'167	-43'255	1'00	44.7867	10'0	†	24'819	-45'768	0'80	...	...
...	-37'245	+2'205	0'70	...	...	...	-30'996	-10'557	-5	M	...	†	-24'707	-26'462	0'90	...	...
...	37'158	+51'524	-5	M	...	...	30'896	-21'206	0'70	...	...	†	24'707	-20'615	-5	M	...
...	37'136	-40'720	-5	M	...	S*	30'774	-13'468	1'10	44.7868	9'4	†	24'684	-58'420	-4	...	...
...	37'070	-56'900	-1	...	...	...	30'757	+40'372	0'80	...	...	...	24'621	-36'699	0'75	...	...
...	36'877	-4'048	-5	M	...	...	30'637	-38'519	0'95	...	...	...	24'294	-11'159	0'75	...	...
191	-36'837	-6'555	0'65	B	...	251	-30'474	+27'474	0'75	...	...	311	-24'220	-16'275	-4	M	...
...	36'807	-57'921	-5	...	...	*	30'222	+12'965	1'05	43.7532	9'8	...	24'202	-13'848	0'90	44.7874	10'0
...	36'770	-31'081	-5	M	...	...	30'177	-1'531	-5	M	...	*	24'105	-45'432	0'95	44.7873	10'0
...	36'683	+16'081	-5	M	...	*	29'948	+9'736	1'20	43.7533	9'4	*	24'067	+3'520	1'10	43.7537	9'5
†	36'604	-49'729	-5	M	...	†	29'808	+30'087	2'60	43.7534	8'4	...	23'962	+28'963	-5	M	...
*	-36'547	+16'052	1'10	43.7529	9'4	†	-29'666	+12'280	-1	B	...	...	-23'766	+8'101	-5	M	...
...	36'428	-50'225	-5	M	...	...	29'393	-0'111	-5	M	...	*	23'722	-53'487	0'90	...	...
...	36'222	-58'534	-5	M	...	...	29'040	-3'492	-4	M	...	...	23'720	+32'239	-1	B	...
...	36'189	-7'641	0'80	...	...	...	28'941	+2'854	-4	M	...	...	23'690	+51'521	-3	...	...
...	36'095	-45'774	1'00	...	...	...	28'898	-56'044	-5	M	...	...	23'615	+53'852	-5	M	...
201	-36'080	+45'603	0'70	...	...	261	-28'740	-38'790	-3	...	...	321	-23'604	+35'982	-1	B	...
...	36'002	+4'728	0'70	...	...	...	28'691	+11'024	-3	M	...	...	23'503	+7'825	-5	M	...
...	35'860	+26'142	-5	M	...	...	28'603	-56'419	-5	M	...	...	23'477	+15'655	-5	M	...
...	35'847	-12'007	0'80	...	...	...	28'536	+2'609	-5	M	...	...	23'409	-23'461	-5	M	...
...	35'819	-41'412	0'95	...	...	...	28'427	-49'559	-5	M	...	...	23'339	+11'855	-5	M	...
...	-35'504	-12'194	0'90	...	...	...	-28'422	-37'758	-4	M	...	*	-23'307	-1'737	1'30	43.7538	9'3
*	35'468	-11'484	1'00	44.7864	10'0	...	28'325	+13'227	-5	M	...	...	23'260	+16'933	-5	M	...
...	35'455	-45'865	-5	M	...	...	28'294	-47'559	0'70	...	...	...	23'133	-26'703	0'85	...	...
...	35'273	-6'764	0'70	...	...	*	28'152	+5'293	1'00	43.7535	9'8	...	23'090	-15'007	-5	M	...
...	35'182	-52'761	-3	...	...	...	28'089	+48'664	0'95	...	...	...	23'052	-31'067	-4	M	...
211	-34'725	+2'380	0'70	...	...	271	-27'979	+49'547	-1	...	...	331	-23'035	+2'121	0'75	B	...
...	34'532	-52'955	1'10	44.7865	10'0	...	27'941	+34'413	0'90	...	...	...	22'792	+1'613	-5	M	...
...	34'388	+41'975	-5	M	...	...	27'880	-3'889	-5	M	...	...	22'571	-59'504	-4	M	...
...	34'321	-49'095	-5	M	...	*	27'873	+34'644	1'05	43.7536	9'8	...	22'570	+18'051	-3	M	...
...	34'320	+21'907	-4	M	...	...	27'784	-30'885	-3	M	...	...	22'514	+5'026	-4	M	...
...	-34'112	+57'518	-5	M	...	...	-27'744	-55'238	-5	M	...	*	-22'486	-0'892	1'10	43.7539	9'8
...	33'982	+7'899	-5	M	...	...	27'720	+7'255	-4	M	...	...	22'417	-40'896	-5	M	...
*	33'853	-1'329	0'90	...	...	...	27'378	-5'576	-5	M	...	...	22'318	-49'837	-5	M	...
...	33'594	+44'580	-5	M	...	...	27'193	+3'645	-3	M	...	...	22'265	+8'470	0'80	B	...
...	33'466	-36'461	0'70	...	...	...	27'095	+58'499	-5	M	...	...	22'216	+40'871	-4	M	...
221	-33'307	-39'035	-1	...	...	281	-26'946	-46'501	0'65	...	...	341	-22'182	-14'380	0'95	44.7875	10'0
...	33'157	-2'145	0'90	...	...	*	26'640	-32'374	1'00	44.7869	10'0	...	22'160	-50'848	-5	M	...
...	32'912	+4'467	-5	M	...	...	26'413	+25'329	-4	M	...	*	22'146	-49'123	1'15	43.7541	9'6
...	32'907	-55'613	-5	M	...	...	26'283	+32'615	-4	M	...	*	22'050	-11'970	0'90	...	...
...	32'841	-32'257	0'65	...	...	...	26'279	-20'520	-5	M	...	†	21'871	+15'138	1'00	43.7540	9'6
†	-32'758	-44'663	0'90	...	...	*	-26'275	-1'984	0'90	...	...	†	-21'850	+0'002	-4	M	...
...	32'685	+39'779	-4	M	...	S*	26'266	-56'935	2'50	44.7870	7'8	...	21'717	+46'494	0'80	...	...
...	32'636	+2'592	-3	M	...	...	26'170	+8'319	-5	M	...	†	21'707	-4'804	0'70	...	...
...	32'598	+7'355	-4	M	...	...	25'960	+5'538	-4	M	...	...	21'680	-7'266	0'80	...	...
...	32'430	-59'477	0'90	...	...	...	25'956	+30'855	-5	M	...	...	21'645	-48'844	-5	M	...
231	-32'400	+54'524	1'10	43.7530	10'0	291	-25'949	+18'078	-3	M	...	351	-21'612	-7'199	-5	M	...
...	32'294	-31'022	0'75	...	...	...	25'939	+4'572	-4	M	...	*	21'592	-22'737	0'90	44.7876	10'0
...	32'221	+24'098	-5	M	...	...	25'898	-18'460	-3	...	...	*	21'478	+13'564	0'90	43.7542	10'0
...	32'125	+7'775	-4	M	...	...	25'854	+36'628	-5	M	...	*	21'459	-23'796	1'20	44.7877	9'4
...	31'973	+51'568	-4	...	...	...	25'835	+1'987	-3	M	...	...	21'369	-22'819	-5	M	...
*	-31'898	-55'102	1'10	44.7866	9'5	...	-25'749	-31'029	-5	M	...	...	-21'072	-6'306	-5	M	...
...	31'866	-23'200	0'70	...	...	...	25'658	+30'966	-5	M	...	*	20'960	+2'261	0'90	...	...
...	31'595	+4'437	0'70	B	...	...	25'482	-33'863	-2	...	...	...	20'692	-12'292	-5	M	...
*	31'492	+31'146	1'00	43.7531	10'0	...	25'451	+9'104	-1	B	...	...	20'676	-49'889	-5	M	...
...	31'434	-59'311	-5	M	...	...	25'242	+30'620	-4	M	...	*	20'412	-40'174	1'00	44.7878	10'0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-420						421-480						481-540					
361	-20°357	-10°124	-3	M	...	421	-15°346	-21°223	-5	M	...	481	-10°199	-47°175	-5	M	...
*	20°248	+9°212	1°00	43.7543	9.6	...	15°114	-54°118	-5	M	...	...	9°963	+25°545	-5	M	...
...	20°224	-10°112	0°80	...	...	...	15°072	-31°578	0°65	B	...	...	9°899	+51°828	1°20	43.7550	9.7
...	19°891	-43°857	-4	M	...	*	15°068	-29°218	1°00	...	...	...	9°626	-36°098	-4	M	...
*	19°851	-8°196	1°25	44.7879	9.2	*	15°008	-46°214	1°00	44.7883	10°0	...	9°358	+36°697	0°75	...	...
...	-19°779	-52°534	-3	...	...	...	-14°863	-46°064	-5	M	...	...	-9°344	-10°886	-4	M	...
†	19°676	+5°421	-5	M	...	†	14°852	+0°078	-3	M	...	†	9°294	-19°713	-3	M	...
S†	19°669	+55°338	2°00	43.7544	8.2	...	14°841	-18°158	-5	M	...	...	9°042	-15°182	0°70	...	...
...	19°626	-45°333	-5	M	...	†	14°721	-47°042	1°00	44.7884	10°0	...	9°018	-42°076	-5	M	...
†	19°622	-49°682	0°65	...	...	†	14°706	-47°284	0°90	...	...	...	8°881	-16°618	-4	M	...
371	-19°617	+0°736	-3	M	...	431	-14°634	-16°916	0°80	...	...	491	-8°401	-26°990	0°80	...	...
...	19°603	+4°452	-5	M	...	*	14°530	+25°436	1°00	43.7547	10°0	...	8°315	+38°504	-1	A	...
...	19°540	-46°496	-5	M	...	...	14°476	+58°776	-5	M	...	...	8°282	+15°717	-5	M	...
...	19°495	+2°617	0°65	B	...	...	14°472	+59°334	0°80	...	...	...	8°253	+55°187	-4	M	...
...	19°391	+39°174	-5	M	...	*	14°352	+33°823	0°95	...	...	...	8°225	+6°048	-4	M	...
...	-19°066	-26°644	0°70	...	...	...	-14°290	+27°849	-4	M	...	...	-8°219	-41°839	-5	M	...
N	19°008	-0°827	0°75	...	...	...	14°090	+37°713	0°70	B	...	...	7°998	+18°583	-5	M	...
N*	18°999	-0°683	1°40	43.7545	9.2	*	13°968	+8°977	1°10	43.7548	9.4	...	7°933	+0°441	-5	M	...
...	18°979	-22°544	-5	M	...	...	13°967	-36°399	0°70	...	...	...	7°888	+39°395	-3	M	...
*	18°906	-26°405	0°90	...	...	...	13°903	+22°297	-5	M	...	...	7°530	-32°282	-4	M	...
381	-18°556	+44°782	0°70	...	...	441	-13°719	+26°305	0°75	B	...	501	-7°516	-26°831	-5	M	...
...	18°515	+53°459	0°70	...	...	...	13°693	-18°817	-5	M	...	*	7°432	+2°312	0°90	...	...
...	18°487	-38°086	0°70	...	...	...	13°667	-29°519	-5	M	...	...	7°402	+13°357	0°70	...	...
...	18°395	-12°103	0°90	...	...	...	13°568	-49°177	-5	M	...	...	7°277	+10°026	0°70	...	...
...	18°070	-1°334	-5	M	...	...	13°535	+49°963	-5	M	...	...	7°201	-59°128	0°65	...	...
...	-18°021	-8°564	-2	M	...	...	-13°398	+38°969	-4	M	...	...	-7°181	+9°611	-5	M	...
*	17°981	-53°495	1°30	44.7880	9.4	...	13°181	+25°011	0°90	...	...	...	7°163	-6°617	-2	...	...
*	17°940	-32°223	1°10	44.7881	9.5	...	12°889	-18°782	-2	M	...	*	7°145	+14°330	1°00	43.7551	9.5
*	17°923	-16°628	0°85	...	...	...	12°830	-42°227	0°75	...	...	...	6°916	-18°390	-4	M	...
...	17°803	-36°499	0°80	...	...	...	12°678	+19°152	-5	M	...	...	6°899	-49°599	-5	M	...
391	-17°676	-13°151	-5	M	...	451	-12°601	-50°240	-2	M	...	511	-6°890	-55°487	0°75	...	...
...	17°649	+24°001	0°85	...	...	...	12°429	-30°736	-5	M	...	...	6°784	+22°105	-4	M	...
...	17°587	+20°779	-5	M	...	...	12°390	+29°727	-5	M	...	...	6°777	-4°063	-5	M	...
...	17°509	-45°752	-5	M	...	...	12°246	+19°480	-5	M	...	...	6°626	+34°279	-5	M	...
...	17°496	-46°058	-1	...	...	...	12°182	+7°419	-4	M	...	...	6°596	+22°697	-5	M	...
...	-17°220	+36°590	0°70	...	...	...	-12°082	+43°334	-1	B	...	...	-6°332	+0°588	-5	M	...
...	17°176	+24°256	-5	M	...	...	12°037	-22°317	-3	M	...	...	5°990	-50°234	-4	...	...
...	17°118	+20°325	-3	M	...	...	11°875	-30°830	0°70	...	...	...	5°973	-52°156	-5	M	...
...	17°015	+13°481	-5	M	...	...	11°792	-29°765	-2	M	...	*	5°929	+32°727	1°00	43.7552	9.8
...	16°910	+41°999	-5	M	...	...	11°787	-33°053	-5	M	...	...	5°884	-32°402	-5	M	...
401	-16°822	+8°895	-5	M	...	461	-11°725	+38°978	-5	M	...	521	-5°878	-33°862	0°90	...	...
...	16°787	-11°849	-5	M	...	...	11°709	+52°269	-4	M	...	...	5°764	+34°434	0°65	B	...
...	16°762	+0°786	-5	M	...	*	11°704	-29°688	1°10	44.7885	9.4	...	5°716	-29°107	-5	M	...
...	16°734	-1°514	-5	M	...	...	11°635	-1°975	0°65	B	...	...	5°536	+32°132	-5	M	...
...	16°645	-14°196	-5	M	...	...	11°469	+19°358	0°70	B	...	...	5°523	+9°853	0°80	...	...
...	-16°523	-32°755	-5	M	...	...	-11°464	+12°606	-5	M	...	...	-5°510	+23°572	-4	M	...
*	16°503	-31°253	1°10	44.7882	9.7	...	11°318	-59°516	-5	...	...	...	5°411	+53°245	-5	M	...
...	16°470	+39°203	-5	M	...	*	11°193	+53°182	1°40	43.7549	9.4	*	5°382	-14°920	1°10	44.7886	9.4
...	16°257	-48°452	0°65	...	...	...	11°160	+38°441	-4	M	...	...	5°327	-26°629	0°85	...	...
*	16°125	+14°827	1°05	43.7546	9.7	...	11°037	-40°683	-2	M	...	...	5°175	+29°019	0°75	B	...
411	-15°990	-39°504	-5	M	...	471	-10°879	-58°001	-5	M	...	531	-5°172	-29°860	-4	M	...
...	15°930	+45°599	-4	M	...	...	10°720	+6°215	-5	M	...	...	5°160	-4°089	-5	M	...
*	15°923	+28°710	0°90	...	...	...	10°704	+51°541	0°80	...	...	...	5°083	-33°466	-3	M	...
...	15°661	+15°548	0°65	B	...	*	10°645	+59°134	1°80	42.7388	9.0	...	5°074	-11°203	-5	M m	...
...	15°637	+26°410	0°70	B	...	...	10°562	-33°717	0°80	...	...	...	5°051	+27°622	0°65	M	...
...	-15°581	+26°352	-1	B	...	...	-10°547	-15°153	-4	M	...	...	-5°036	-17°021	-5	M	...
...	15°578	-29°579	0°80	...	...	...	10°547	-30°589	0°70	...	...	...	5°006	-24°124	-4	M	...
...	15°543	+32°155	-2	M	...	...	10°437	+36°922	-5	M	...	...	4°588	-4°482	-5	M m	...
...	15°438	+8°390	-4	M	...	...	10°281	-28°816	0°80	...	...	...	4°551	-43°156	-3	...	...
...	15°408	-31°027	-5	M	...	...	10°271	-46°863	-5	M	...	...	4°499	+7°880	-4	M m	...

377, 378. 45°-98, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-600						601-660						661-720					
541	- 4.424	- 3.662	1.10	44.7887	9.5	601	+ 0.880	+ 50.365	1.90	43.7558	8.6	661	+ 5.804	- 58.483	0.95	...	...
...	4.028	- 31.059	- 5	M	...	...	0.974	+ 24.407	0.70	M b	...	...	5.906	- 23.080	0.70	...	...
...	4.009	- 20.142	0.85	44.7888	10.0	...	1.010	+ 13.288	0.70	M	...	...	6.063	+ 55.058	0.70	...	...
...	3.686	- 38.019	- 5	M	...	...	1.024	+ 7.469	1.00	43.7559	9.8	...	6.276	- 54.113	- 5	M	...
...	3.548	- 36.615	0.80	...	...	...	1.024	- 54.993	0.90	...	...	...	6.302	- 8.855	- 5	...	...
...	- 3.362	- 40.576	- 5	M	...	...	+ 1.033	- 49.952	0.80	...	...	...	+ 6.589	- 41.574	- 4	M	...
...	3.223	+ 40.572	- 5	M m	...	...	1.048	+ 57.595	- 5	M m	...	...	6.602	+ 44.218	- 4	...	...
...	3.214	+ 52.621	1.00	43.7554	10.0	...	1.093	- 32.894	0.70	...	...	...	6.604	- 38.667	1.00	44.7899	10.0
...	3.200	- 43.801	- 5	M	...	...	1.160	+ 1.509	- 5	M m	...	...	6.607	+ 12.781	0.70	...	...
...	3.186	+ 9.125	0.90	43.7553	10.0	...	1.200	- 1.175	- 5	M	...	...	6.620	- 55.408	1.10	44.7898	9.7
551	- 3.142	+ 28.064	- 5	M m	...	611	+ 1.249	- 23.537	0.90	...	...	671	+ 6.676	+ 10.189	0.70	...	...
...	3.098	- 26.792	- 5	M	...	...	1.418	- 9.154	- 5	M	...	...	6.797	- 39.249	- 5	...	...
...	3.021	- 12.188	1.00	44.7889	9.5	...	1.548	- 38.884	- 4	M	...	...	6.839	- 51.248	1.15	44.7900	9.7
...	2.998	- 47.472	- 2	...	...	...	1.591	- 32.344	- 5	M	...	...	6.943	- 34.762	0.70	...	...
...	2.978	+ 31.371	0.70	M	...	...	1.782	- 7.726	1.00	44.7894	9.8	...	7.124	+ 9.459	- 5	m	...
...	- 2.973	- 49.413	- 5	M	...	...	+ 1.877	- 55.915	0.70	...	...	...	+ 7.169	- 57.037	- 5	...	...
...	2.971	- 20.158	0.75	...	...	...	2.020	+ 45.323	1.10	43.7560	9.4	...	7.171	- 38.682	- 1	...	...
...	2.898	- 20.741	- 5	M m	...	...	2.057	+ 59.783	- 5	M m	...	...	7.280	- 56.951	- 5	...	...
...	2.864	- 5.233	0.70	...	...	...	2.104	+ 0.057	0.70	M f	...	...	7.331	- 16.468	0.70	...	...
...	2.397	- 54.146	- 4	M	...	...	2.292	- 58.243	- 4	...	...	...	7.437	+ 11.028	- 5	m	...
561	- 2.384	+ 25.305	- 5	M m	...	621	+ 2.315	- 19.466	- 3	M	...	481	+ 7.761	- 2.027	1.05	43.7564	9.8
n	2.346	- 59.414	0.75	44.7891	10.0	...	2.349	- 48.970	1.10	44.7895	9.5	...	7.814	+ 47.137	0.95	43.7565	10.0
...	2.309	- 40.520	- 5	M	...	...	2.408	- 30.835	0.80	...	...	...	7.823	- 19.077	- 5	...	...
n	2.274	- 41.913	0.80	44.7890	10.0	...	2.495	- 49.969	0.65	M	...	...	7.891	- 55.911	0.70	...	...
n	2.216	- 59.137	0.90	44.7891	10.0	...	2.514	- 52.463	0.90	...	...	...	7.943	+ 16.227	1.10	43.7566	9.8
n*	- 2.170	- 41.711	0.90	44.7890	10.0	...	+ 2.705	- 15.354	0.80	...	...	...	+ 7.977	- 6.995	0.80	...	...
...	2.108	+ 33.154	0.90	43.7555	10.0	...	2.751	+ 27.245	- 5	M m	...	...	7.989	- 5.039	1.40	44.7901	9.2
...	1.958	- 2.256	0.75	...	...	N*	2.751	+ 27.515	1.20	...	...	...	8.051	- 24.122	- 5	...	...
...	1.885	- 26.174	1.00	44.7892	9.8	N*	2.822	+ 27.469	1.00	43.7561	9.0	...	8.103	- 34.607	0.70	...	...
...	1.878	+ 48.408	- 5	M m	...	...	3.162	- 10.775	- 5	M	...	...	8.111	+ 11.674	2.80	43.7567	7.9
571	- 1.775	+ 18.662	2.00	43.7556	8.1	631	+ 3.373	- 34.026	0.65	...	...	691	+ 8.134	- 41.815	- 5	...	...
...	1.756	- 6.042	0.90	...	...	...	3.413	+ 28.811	0.90	...	...	...	8.172	+ 31.045	- 5	m	...
...	1.742	- 24.488	- 5	M	...	...	3.445	- 57.114	- 5	M	...	...	8.340	+ 30.418	- 5	m	...
...	1.590	- 13.923	0.70	...	...	...	3.717	+ 4.659	0.85	M	...	...	8.466	+ 50.835	0.75	...	...
...	1.578	+ 41.166	- 2	M	...	...	3.764	+ 49.775	0.70	M	...	...	8.468	+ 40.468	- 4	m	...
...	- 1.521	- 48.575	0.70	...	...	...	+ 3.773	+ 26.944	0.80	M	...	...	+ 8.557	+ 38.183	0.80	...	...
...	1.458	- 5.298	- 5	M m	...	...	3.781	+ 17.642	- 5	M m	...	...	8.584	- 29.236	0.80	...	...
...	1.414	+ 19.625	- 3	M m	...	...	4.031	+ 23.753	1.05	43.7562	9.5	...	8.711	- 10.396	- 3	...	...
...	1.361	- 9.260	- 5	M m	...	...	4.036	+ 41.027	- 4	M	...	...	8.841	- 24.791	- 5	...	...
...	1.322	+ 48.648	- 4	M	...	...	4.137	+ 4.203	- 5	M m	...	...	8.849	+ 12.721	- 1	a	...
581	- 1.289	+ 25.726	2.50	43.7557	7.7	641	+ 4.143	+ 2.239	0.75	M	...	701	+ 8.871	- 50.429	0.65	...	...
S*	1.209	+ 40.184	- 1	...	...	...	4.145	+ 25.079	0.70	M	...	...	8.885	+ 13.118	1.00	43.7568	9.8
...	1.167	- 45.297	0.95	44.7893	10.0	...	4.187	+ 6.212	- 2	M	...	...	9.189	- 40.349	- 5	...	...
...	1.116	- 26.880	- 5	M	...	...	4.289	- 52.851	0.75	...	...	...	9.233	- 38.366	0.85	...	...
...	1.070	- 26.217	- 4	M	...	...	4.328	+ 25.419	0.70	M	...	...	9.274	- 43.552	0.75	...	...
...	- 0.988	+ 54.851	0.90	...	...	...	+ 4.488	+ 13.199	1.10	43.7563	9.5	...	+ 9.275	- 31.485	- 5	...	...
...	0.901	+ 30.947	- 1	M	...	...	4.606	- 0.758	0.65	M	...	...	9.381	+ 6.917	0.70	...	...
...	0.665	- 12.158	0.90	...	...	...	4.629	- 18.744	- 5	M	...	...	9.382	+ 34.186	- 5	m	...
...	0.612	+ 52.041	- 5	M m	...	...	4.765	+ 42.731	- 3	M	...	...	9.421	- 18.549	0.85	...	...
...	0.567	- 37.714	- 3	...	...	...	4.909	- 6.847	0.70	M	...	...	9.433	+ 20.427	0.65	...	...
591	- 0.381	- 40.027	0.85	...	...	651	+ 5.022	- 31.623	- 5	M	...	711	+ 9.543	- 29.083	- 5	...	...
...	0.356	- 16.603	0.85	...	...	...	5.242	- 23.594	1.00	44.7896	9.8	...	9.571	- 38.877	- 2	...	...
...	0.238	+ 0.818	- 5	M m	...	...	5.402	+ 13.903	- 5	M m	...	...	9.646	- 3.383	0.70	...	...
...	0.203	- 46.002	- 5	M	...	...	5.443	- 15.333	- 5	M	...	...	9.720	+ 3.250	1.00	43.7569	10.0
...	- 0.197	- 12.781	- 5	M	...	...	5.675	+ 24.880	- 5	M m	...	...	9.793	+ 17.658	1.00	43.7570	10.0
...	+ 0.100	- 49.604	0.65	...	...	...	+ 5.681	+ 13.341	- 4	M m	...	...	+ 9.920	- 32.180	- 5	...	...
...	0.142	+ 31.378	- 1	M	...	...	5.683	+ 2.074	0.85	M	...	...	10.083	- 25.389	- 5	...	...
...	0.499	- 9.112	- 5	M	...	...	5.688	- 26.086	- 4	M	...	...	10.512	- 4.318	- 5	...	...
...	0.682	- 38.428	0.70	...	...	...	5.699	- 32.068	1.00	44.7897	9.6	...	10.766	- 18.466	0.85	43.7571	10.0
...	0.771	- 41.155	0.80	...	...	...	5.747	+ 36.199	0.90	...	...	...	11.107	- 44.590	- 5	...	...

562, 565. C.P.D., mass.

564, 566. C.P.D., mass.

628, 620. 43°-08, 43°-09, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
721-780						781-840						841-900					
721	+11°141	-18°533	-2	...	...	781	+17°096	-2°667	-1	...	...	841	+22°579	+2°011	0.70	...	...
...	11°179	-35°713	0.90	44.7902	10.0	...	17°117	-45°581	-5	...	...	...	22°631	+53°569	-1	...	...
...	11°207	+33°844	0.70	...	...	...	17°133	+29°616	-4	...	...	...	22°692	-26°705	0.70	...	...
...	11°300	-3°982	1.60	44.7903	8.8	...	17°243	+9°453	0.80	...	...	...	* 22°755	+6°872	0.95	43.7579	10.0
...	11°406	-42°535	-4	...	...	...	17°277	-12°815	-1	...	...	...	22°826	-0°910	-5	...	...
...	+11°522	+4°932	-4	m	...	...	+17°312	+20°376	-4	...	...	...	+22°929	+7°551	0.70	...	...
...	* 11°676	+9°539	0.90	43.7572	10.0	...	17°440	+48°615	0.70	...	...	...	23°037	-31°802	-5	m	...
...	11°863	-36°306	-2	...	...	S *	17°510	-48°631	2.20	44.7909	8.0	...	23°119	-51°312	-4	...	...
...	11°871	-18°103	-4	...	...	...	17°552	+30°597	-5	m	...	...	23°153	+13°715	0.70	...	...
...	11°917	-23°794	-5	...	...	...	17°590	+22°874	-3	...	...	...	23°285	+35°724	-4	...	...
731	+11°963	-51°843	0.90	...	...	791	+17°636	+20°457	-4	m	...	851	+23°311	-29°506	-5	...	...
...	12°016	-34°475	-5	...	...	...	17°668	+3°402	0.75	...	...	...	23°445	+40°222	0.80	...	...
...	12°247	+17°724	-5	m	...	...	17°677	+13°254	-1	...	...	...	* 23°652	-14°940	1.15	44.7916	9.3
...	† 12°254	-9°824	-4	...	...	...	17°707	+16°939	-3	...	...	...	* 23°721	-33°168	1.10	44.7917	9.4
...	12°298	+49°916	-5	...	...	...	* 17°714	-38°876	0.90	...	...	...	23°788	-40°978	0.65	...	...
...	+12°334	+1°163	-4	m	...	...	+17°995	+28°529	-5	m	...	...	+23°850	+19°055	0.90	...	...
...	12°524	-22°568	-2	...	...	...	* 18°044	-35°361	2.80	44.7910	7.5	...	24°361	-19°889	-5	...	...
...	12°533	+18°738	-5	m	...	...	18°355	-22°692	-3	...	...	...	* 24°394	-58°600	1.30	44.7918	9.5
...	12°615	+17°618	-5	m	...	...	* 18°513	+29°581	1.70	43.7577	9.0	...	24°412	-27°489	0.65	...	...
...	12°824	-6°304	-5	...	...	...	* 18°716	-28°676	1.20	44.7911	9.2	...	24°739	+0°801	-5	m	...
741	+12°854	+51°283	-5	...	...	801	+18°810	+56°006	-5	...	...	861	† 25°110	-44°997	0.65	...	...
...	12°899	+3°353	-5	m	...	...	18°945	-44°214	-5	...	...	...	25°229	+22°411	0.70	...	...
...	12°975	-52°326	-4	...	...	...	* 18°967	-6°911	1.10	44.7912	9.4	...	25°326	-3°162	-5	...	...
...	13°087	-15°092	-5	...	...	...	18°976	+6°194	-4	m	...	...	25°382	-25°208	0.80	...	...
...	13°133	-20°988	-4	...	...	...	19°022	+53°269	-5	...	...	...	25°478	-35°557	0.80	...	...
...	+13°157	-26°720	-5	...	...	...	+19°122	-26°176	-5	...	...	...	+25°717	-37°338	0.70	...	...
...	13°409	-5°359	-4	...	...	...	* 19°230	-46°543	1.00	44.7913	10.0	...	25°750	-25°281	-5	...	...
...	13°455	-30°944	-1	...	...	...	19°394	-5°377	-5	...	...	...	25°758	-0°561	0.70	...	...
...	13°699	+41°382	0.65	...	...	...	* 19°461	+0°449	0.85	α	...	...	25°772	-56°052	-2	...	...
...	13°773	-50°031	-5	...	...	...	19°552	-20°500	-4	...	...	...	* 25°787	-6°960	1.00	44.7919	10.0
751	+13°908	+7°222	-4	...	...	811	+19°562	+23°007	-5	m	...	871	+25°849	+57°766	-5	...	...
...	13°967	-17°762	-4	...	...	...	19°827	+7°637	-5	m	...	...	* 26°004	-37°296	0.95	44.7920	10.0
...	13°990	+3°918	-3	b	...	...	19°827	-17°406	-3	...	...	...	26°026	-7°331	-5	...	...
...	13°993	-35°983	-5	...	...	...	19°908	+25°347	-3	...	...	...	26°045	-17°870	-5	...	...
...	* 14°004	-21°625	0.95	44.7904	9.6	...	19°979	+36°750	-5	m	...	...	26°050	-58°206	0.75	...	...
...	* +14°177	-35°976	1.00	44.7905	9.7	...	* 20°074	-32°904	0.85	...	...	...	+26°185	-0°814	0.65	...	...
...	14°289	+16°807	-4	m	...	...	* 20°379	-43°081	1.00	44.7914	10.0	...	26°195	-12°812	0.70	...	...
...	* 14°501	-55°072	1.00	44.7906	10.0	...	20°500	+7°066	-5	m	...	...	26°209	+5°544	0.70	...	...
...	14°552	+26°020	-4	m	...	...	20°502	+18°877	0.75	...	...	...	26°249	+49°344	0.80	...	...
...	14°698	+24°959	-2	a	...	...	20°509	-31°000	0.70	...	...	...	26°390	-36°749	-5	...	...
761	+14°759	+3°299	-5	m	...	821	+20°556	+11°984	-5	m	...	881	+26°404	-28°617	-5	...	...
...	14°774	-34°624	0.80	...	...	S *	20°573	+45°896	2.20	43.7578	8.1	...	26°452	-1°965	0.80	...	...
...	14°823	-37°086	-5	...	...	...	20°603	+0°282	-5	m	...	...	26°600	-1°629	-4	...	...
...	* 14°883	-27°798	0.95	44.7907	10.0	...	20°654	+10°866	-5	m	...	...	26°813	+28°905	0.95	...	...
...	15°032	-7°075	-1	...	...	...	20°811	-24°329	0.65	...	...	...	26°834	-37°858	-3	...	...
...	+15°163	+6°481	0.90	43.7573	10.0	...	+20°967	-12°214	-1	...	...	...	+27°044	-21°293	-3	...	...
...	* 15°354	+4°019	0.90	43.7574	9.8	...	20°989	-32°877	-5	...	...	...	27°193	+46°645	0.80	...	...
...	15°463	+10°950	-5	m	...	...	20°989	-58°365	0.70	...	...	...	27°276	-17°015	-5	...	...
...	15°489	-9°505	0.70	...	...	...	* 21°055	+23°981	0.90	...	...	N	27°282	-17°365	-4	...	...
...	15°524	+3°153	-3	...	...	...	21°256	-12°504	0.80	...	...	...	27°297	+4°691	-5	m	...
771	+15°652	-23°798	-2	...	...	831	+21°361	+49°902	-5	...	...	891	+27°485	-9°845	0.70	...	...
...	15°719	+45°354	-3	...	...	...	21°492	+20°773	-5	m	...	...	27°525	+23°416	0.90	...	...
...	15°942	-17°322	-2	...	...	...	21°738	+18°489	-5	m	...	...	27°751	-31°207	-5	...	...
...	* 16°002	+1°000	1.00	43.7575	9.8	...	21°762	-20°744	-4	...	...	...	27°779	-14°877	-5	...	...
...	16°150	-41°425	0.85	...	...	...	21°805	-15°223	-5	...	...	...	27°829	-33°341	-4	...	...
...	* +16°414	+21°680	-5	m	...	...	+21°953	-53°165	-5	...	...	...	+28°094	-16°856	0.80	...	...
...	16°487	+32°687	1.15	43.7576	9.5	...	21°972	+8°201	0.80	...	...	...	28°326	+48°428	-5	m	...
...	16°533	-4°291	-5	...	...	...	22°169	+8°329	0.70	b	...	...	28°341	+1°569	0.70	...	...
...	16°712	-15°352	-5	...	...	...	22°218	-21°610	0.70	...	...	...	* 28°452	-40°888	1.15	44.7921	9.6
...	17°055	-12°273	0.65	...	...	...	22°256	-54°492	0.70	...	...	...	28°554	+52°367	-5	m	...

889. Obscures 2nd image of 888.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
901-960						961-1020						1021-1080					
901	+28'572	-41'038	0.75	...	...	961	+35'335	-37'391	-4	...	...	1021	+43'697	+22'950	0.85	...	...
...	28'593	-37'541	0.85	...	...	...	35'516	+41'309	0.90	...	...	...	43'762	+3'644	0.75	...	...
...	28'812	+18'174	-5	m	...	...	35'533	+40'418	0.65	...	...	...	43'788	-33'784	-5	...	...
*	28'839	-31'070	1.10	44.7922	9.4	*	35'535	+37'197	0.95	43.7584	10.0	...	43'911	+11'265	-5	m	...
...	29'087	+4'933	-1	...	...	...	35'573	+55'734	-2	...	...	...	43'923	+26'231	-5	m	...
...	+29'207	+23'272	0.80	...	...	...	+35'591	+48'301	-5	...	...	*	+44'257	-42'995	1.60	44.7939	9.0
...	29'216	+16'385	-5	m	...	...	35'645	-4'111	-4	...	...	...	44'309	-54'150	0.85	...	...
...	29'309	-32'493	-5	...	...	...	35'694	+21'306	-1	...	...	...	44'425	-12'857	-3	...	...
...	29'330	+43'867	-5	m	...	...	35'850	+35'277	0.85	...	...	...	44'705	-14'500	-1	...	...
...	29'628	+53'523	1.05	...	...	S *	35'853	+6'090	1.60	43.7585	9.0	*	44'747	+46'832	1.60	43.7592	9.3
911	+29'646	-39'841	0.90	44.7923	10.0	971	+35'855	-32'252	-4	...	...	1031	+44'834	+7'611	-5	m	...
*	29'789	-47'580	1.60	44.7925	9.2	...	35'892	+9'387	-3	m	...	...	45'247	-18'296	0.65	...	...
...	29'802	+13'361	-5	m	...	...	36'194	+47'272	-5	...	...	...	45'333	+31'402	-5	...	...
...	29'843	-8'255	0.75	...	...	...	36'264	-8'763	-2	...	...	...	45'529	-57'169	0.70	...	...
...	29'867	-1'730	-5	m	...	...	36'345	-46'642	-4	...	...	...	45'843	-42'099	-4	...	...
*	+29'887	-10'961	1.20	44.7924	9.3	...	+36'631	-37'825	0.65	...	...	*	+46'025	-42'937	1.60	44.7940	9.4
†	30'150	+9'110	1.10	43.7580	9.4	...	36'781	+27'744	-4	...	...	...	46'512	-19'912	0.75	...	...
*	30'267	-47'818	1.00	44.7927	9.8	*	36'893	+27'798	0.90	43.7586	10.0	*	46'558	-7'388	0.95	44.7941	10.0
...	30'455	-52'133	-5	...	...	...	37'122	+40'182	-3	...	...	...	46'861	+12'016	-5	m	...
...	30'496	+10'861	-5	m	...	...	37'380	-19'097	-5	...	...	...	46'890	-31'495	-5	...	...
921	+30'706	-49'611	0.90	44.7928	10.0	981	+37'426	-35'228	-3	...	...	1041	+47'152	+23'623	-1	...	...
...	30'944	+45'670	-4	...	...	...	37'517	-23'917	-4	...	...	*	47'256	-6'289	1.20	44.7942	9.4
...	30'988	-27'274	-3	...	...	...	37'584	+53'989	0.65	...	...	*	47'353	+56'278	1.20	43.7593	9.5
*	31'053	-2'853	0.90	43.7581	10.0	...	37'700	-26'790	-1	...	...	...	47'467	-47'305	-5	...	...
...	31'121	-7'136	-5	...	...	...	37'865	-36'000	1.80	44.7932	8.8	...	47'853	-6'656	-4	...	...
...	+31'290	-26'379	-3	...	...	*	+38'016	+25'867	0.90	...	...	*	+48'225	+56'800	1.60	42.7406	9.6
†	31'758	-29'752	-4	...	...	...	38'051	-8'394	-5	...	...	†	48'588	+30'175	-5	m	...
*	31'968	-49'790	0.90	44.7929	10.0	...	38'160	-17'054	-4	...	...	*	48'592	+29'796	0.90	...	...
...	32'077	-30'451	-5	...	...	...	38'201	-4'184	-5	...	...	...	48'903	-26'477	0.65	...	...
...	32'182	-28'201	0.90	...	...	...	38'577	-5'197	-1	...	...	...	49'200	-12'441	-5	...	...
931	+32'194	+8'318	0.90	43.7582	10.0	991	+38'922	-58'116	-1	...	...	1051	+49'204	-35'360	1.60	44.7943	9.0
...	32'336	-9'610	-5	...	...	...	39'042	-52'464	-5	...	...	*	49'924	+39'016	1.60	43.7594	9.5
*	32'346	-29'060	1.00	...	...	*	39'236	-42'926	1.00	44.7934	9.8	†	49'991	+30'615	1.70	43.7596	9.0
...	32'482	-23'003	-4	...	...	...	39'274	-41'332	1.00	44.7933	9.7	†	50'104	+39'952	0.95	43.7595	10.0
...	32'731	+57'390	0.85	...	...	...	39'433	+48'894	-5	...	...	...	50'314	-35'275	-3	...	...
...	+32'819	+52'711	0.80	...	...	S *	+39'836	-10'980	1.80	44.7935	8.8	*	+50'558	-24'353	1.00	44.7944	9.8
*	32'935	-32'500	1.10	44.7930	9.5	†	40'063	-5'182	0.70	...	...	*	50'653	+27'551	1.05	43.7597	9.8
*	33'209	-57'609	1.80	44.7931	8.8	...	40'342	-35'181	-3	...	...	S *	50'760	+59'657	3.05	42.7407	7.7
...	33'232	-13'657	-4	...	...	...	40'804	+55'758	0.70	43.7587	10.0	*	50'900	+9'403	1.25	43.7598	9.4
...	33'321	+2'334	0.65	...	...	*	40'995	-48'199	1.80	44.7936	9.0	...	50'944	+44'434	-5	...	...
941	+33'390	-3'366	-3	...	...	1001	+41'457	+2'935	-4	m	...	1061	+51'031	-13'012	-3	...	...
...	33'460	-13'758	-5	m	...	...	41'501	-17'043	-5	...	...	...	51'281	-25'870	-5	...	...
†	33'463	-14'720	0.65	...	...	...	41'558	+5'715	-5	m	...	*	51'285	+36'086	1.05	43.7599	10.0
...	33'473	-5'518	0.70	...	...	*	41'576	+39'232	1.50	43.7588	9.4	...	51'503	+24'431	-4	...	...
...	33'513	-28'884	-5	...	...	*	41'771	+18'577	1.05	43.7589	9.7	...	51'508	-37'162	-3	...	...
...	+33'514	-40'997	-5	...	...	*	+41'876	+13'634	0.95	43.7590	10.0	S *	+51'524	-40'571	1.90	44.7945	8.6
...	33'769	-15'622	0.65	...	...	...	41'889	-55'651	-5	...	...	†	51'547	-34'655	0.90	...	...
...	33'825	+1'384	0.80	...	...	...	41'966	-9'012	-5	...	...	†	51'549	-34'831	-5	...	...
...	33'841	-37'975	-4	...	...	...	42'024	+2'824	0.70	...	...	...	51'603	+11'741	-2	...	...
...	33'936	-18'251	-2	...	...	...	42'135	-20'003	-3	...	...	...	51'876	+59'882	-5	e	...
951	+34'040	+57'736	-4	...	...	1011	+42'213	-0'099	0.75	α	...	1071	+51'977	+16'597	1.00	43.7600	10.0
...	34'127	+4'513	-4	m	...	*	42'249	-7'628	1.00	44.7937	9.4	*	52'057	+3'262	0.90	43.7601	10.0
...	34'281	-34'974	-1	...	...	*	42'363	-8'435	1.10	44.7938	9.5	...	52'071	-17'842	-2	...	...
...	34'353	-15'851	0.75	...	...	...	42'766	+29'980	0.65	...	...	...	52'383	-6'399	-4	...	...
...	34'662	+7'758	0.80	...	...	*	43'089	+18'905	0.95	43.7591	10.0	...	52'397	-23'400	-5	...	...
*	+34'785	+43'854	0.95	43.7583	10.0	...	+43'150	+26'639	-5	m	...	*	+52'504	-7'665	0.90	43.7602	10.0
...	34'902	+23'113	-1	...	...	...	43'348	-42'812	-5	...	...	...	52'603	-23'878	0.90	...	...
...	34'918	+9'797	0.75	...	...	...	43'352	-4'412	-5	...	...	...	52'660	-37'175	-5	...	...
...	34'921	-28'354	-2	...	...	...	43'460	-32'037	0.90	...	...	...	52'724	-37'880	-4	...	...
†	35'068	-28'264	0.85	...	...	...	43'478	-8'536	-5	m	...	...	52'934	-12'428	-2	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1081-1100						1101-1120						1121-1131						
I08I	+53°087	+23°99I	1·05	43.7604	9·8	I10I	+56°289	+23°263	1·90	43.7607	8·8	I12I	+58°658	+14°103	- 5	m	...	
*	53°197	+32°103	1·05	43.7603	9·7	...	56°320	+44°003	0·65	...	...	...	58°696	+40°348	0·95	43.7611	10·0
*	53°277	-25°289	0·90	44.7947	10·0	...	56°674	+ 4°243	0·70	...	...	†	58°717	+20°191	- 1	...	...
...	53°426	-50°620	- 4	56°921	+10°030	- 5	m	59°219	-23°583	0·90
†	53°475	-49°702	- 5	*	57°022	-31°538	1·10	44.7951	9·8	59°300	-53°067	- 5
*	+53°506	-16°586	1·30	44.7946	9·2	...	+57°048	+ 9°360	0·85	+59°421	+45°450	- 4
...	53°604	+51°481	- 4	57°319	+25°539	0·70	59°750	-47°684	- 4
*	53°966	-36°657	1·00	44.7948	9·7	...	57°352	-44°174	1·00	44.7952	10·0	59°872	-42°788	- 5
...	54°208	- 4°053	- 3	*	57°490	+17°605	0·95	43.7608	9·8	59°873	+17°824	0·95	43.7614	10·0
...	54°460	-58°303	- 5	...	...	...	57°518	- 2°033	- 5	...	...	†	59°919	- 9°293	1·20	44.7953	9·7
I09I	+54°509	+59°525	0·90	42.7412	9·8	I11I	+57°869	+59°565	1·10	42.7416	9·8	I13I	+59°970	+28°409	2·60	43.7612	7·6	
...	54°837	-14°839	- 3	...	...	...	58°004	- 5°031	- 5	m	...	...	...	...	...	...	...
†	54°938	+21°996	1·10	43.7605	9·8	...	58°104	+23°601	0·65	...	...	...	...	...	...	...	...
†	54°971	+29°478	- 3	...	...	†	58°173	-24°684	- 1	...	...	...	...	...	...	...	...
†	55°087	- 1°445	- 5	...	...	...	58°302	+25°618	- 1	...	...	...	...	...	...	...	...
†	+55°148	-35°390	0·90	44.7949	10·0	...	+58°356	-40°429	0·75	...	...	...	...	...	...	...	...
...	55°551	+25°102	- 5	...	...	...	58°467	+ 6°845	- 5	m	...	...	...	...	...	...	...
...	55°790	+56°101	0·65	...	...	*	58°490	+53°165	1·40	43.7609	9·8	...	...	...	...	...	...
...	55°807	-50°330	- 4	...	...	...	58°606	+49°343	0·85	43.7610	10·0	...	...	...	...	...	...
*	55°830	+21°714	0·90	43.7606	10·0	...	58°634	-20°442	0·70	...	...	...	...	...	...	...	...

1-30						31-60						61-90					
I	-59°200	+38°864	1·30	43.7594	9·5	3I	-53°878	-25°309	0·65	44.7947	10·0	6I	-49°017	-24°557	- 4	...	...
...	59°050	+39°804	0·90	43.7595	10·0	...	53°874	+56°129	- 3	...	...	*	48°916	+47°260	1·00	43.7613	9·8
S*	58°974	+59°530	3·20	42.7407	7·7	...	53°849	+29°491	- 4	...	...	*	48°804	+28°567	3·00	43.7612	7·6
*	58°870	+30°467	1·70	43.7596	9·0	*	53°663	+22°010	1·00	43.7605	9·8	*	48°666	+29°601	1·20	43.7615	9·4
...	58°346	+44°317	- 5	...	...	...	53°602	- 4°061	- 4	...	...	...	48°664	-20°300	- 3	...	...
...	-58°229	-26°625	- 5	...	...	...	-53°147	+25°134	- 4	...	...	...	-48°604	+17°984	0·85	43.7614	10·0
*	58°128	+27°418	1·00	43.7597	9·8	...	52°967	-50°622	- 5	...	...	...	48°557	+40°824	- 3	...	...
...	57°862	+59°763	- 5	E	...	...	52°957	+44°036	- 3	...	...	...	48°346	-40°283	- 3	...	...
...	57°752	+35°972	0·95	43.7599	10·0	*	52°847	-36°643	1·10	44.7948	9·7	...	48°002	-23°416	0·70	...	...
*	57°646	-35°507	1·60	44.7943	9·0	...	52°776	+21°748	0·80	43.7606	10·0	*	47°731	- 9°118	1·00	44.7953	9·7
II	-57°320	+ 9°296	1·40	43.7598	9·4	4I	-52°636	-14°814	- 4	...	...	7I	-47°438	+13°629	- 1	...	...
*	56°677	+11°647	- 4	...	...	*	52°354	+23°315	2·00	43.7607	8·8	...	47°030	-52°904	- 5	...	...
*	56°638	-24°448	1·00	44.7944	9·8	*	51°878	+59°638	1·20	42.7416	9·8	...	46°916	+12°279	- 4	...	...
...	56°526	-35°380	- 5	...	...	...	51°713	-35°345	0·85	44.7949	10·0	...	46°823	-26°325	- 5	...	...
...	56°506	-13°114	- 4	...	...	...	51°396	+25°619	- 3	...	...	...	46°756	-42°580	- 5	...	...
...	-56°463	+16°513	0·90	43.7600	10·0	...	-51°396	+ 4°313	- 4	...	...	...	-46°744	-47°500	- 4	...	...
...	55°985	+ 3°185	0·65	43.7601	10·0	...	51°179	+ 9°430	0·65	...	...	...	46°736	+12°288	0·70	...	...
...	55°894	+51°422	- 4	...	...	*	51°072	+53°254	1·20	43.7609	9·8	...	46°616	+47°104	0·80	...	...
...	55°736	+ 6°326	- 5	...	...	...	50°974	+17°686	0·90	43.7608	9·8	...	46°558	+10°107	- 4	...	...
*	55°710	+32°048	1·00	43.7603	9·7	...	50°825	+49°436	0·85	43.7610	10·0	*	46°505	-37°335	1·40	44.7954	9·4
2I	-55°596	+ 7°604	0·85	43.7602	10·0	5I	-50°596	-50°263	- 5	...	...	8I	-46°408	+48°429	- 3	...	...
*	55°569	+23°943	1·00	43.7604	9·8	...	50°542	+23°700	- 3	...	...	...	46°224	+35°094	- 3	...	...
...	55°368	+12°373	- 4	...	...	...	50°474	+40°453	0·90	43.7611	10·0	...	46°099	+32°507	- 2	...	...
...	55°330	-34°733	0·75	...	...	...	50°429	+25°717	- 3	...	...	*	46°077	+19°854	1·30	43.7616	9·4
...	55°313	-17°906	- 3	...	...	†	50°141	-59°611	- 1	44.7950	10·0	...	45°972	-41°869	- 5	...	...
...	-55°297	-37°241	- 4	...	...	...	-49°964	-31°444	0·95	44.7951	9·8	...	-45°750	-45°722	0·65	...	...
...	55°244	+59°483	0·95	42.7412	9·8	...	49°898	+45°575	- 5	...	...	...	45°711	+20°192	- 3	...	...
S†	55°149	-40°631	1·95	44.7945	8·6	...	49°855	+20°329	- 3	...	...	...	45°633	-40°071	- 4	...	...
...	54°616	-23°911	0·65	...	...	...	49°251	-44°056	0·85	44.7952	10·0	...	45°440	-29°850	- 4	...	...
*	53°914	-16°601	1·30	44.7946	9·2	...	49°082	+42°231	- 3	...	...	...	45°419	-15°897	- 2	...	...

MC measured from 1, 195, 352, 587.
 ES ,, ,, 92, 263, 437, 741.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
91-150						151-210						211-270								
91	-45°341	+34°253	-4	...	...	151	-38°401	+19°716	-5	...	...	211	-27°018	+44°840	0·65	...	...	
...	44°848	-35°019	0·75	...	...	...	38°083	+10°730	0·90	...	...	...	26°749	-13°119	0·75	...	...	
...	44°842	-18°987	-4	...	...	...	37°975	+46°213	-5	M	...	...	25°900	+9°628	-4	...	...	
...	44°709	+42°450	-4	...	...	...	37°964	-8°511	-3	...	...	...	25°796	+44°481	1·40	43·7623	9·4
...	44°685	-18°847	-5	...	...	...	37°909	-58°314	0·70	...	...	...	25°485	+24°507	-3	...	...	
...	-44°609	+25°299	-4	...	...	...	-37°734	+56°616	0·75	...	...	...	-25°148	-6°002	-4	...	...	
†	44°496	+39°876	-4	...	...	...	37°621	-25°288	-5	...	...	...	24°953	+35°153	0·90	...	...	
*	44°291	+42°951	1·60	43·7617	9·4	...	37°307	+35°297	-5	...	...	...	24°665	+52°896	-5	...	...	
...	44°237	+10°758	-4	...	...	...	37°140	-51°176	-1	...	...	...	24°590	+0°294	-5	M	...
...	44°141	-53°793	-4	...	...	...	37°007	+17°857	-5	...	...	...	24°450	-55°320	1·30	44·7961	9·5
101							161							221						
S*	-43°753	-48°164	1·40	44·7955	9·2	...	-36°917	+11°150	-4	...	...	...	-24°370	-40°001	-4	...	...	
...	43°719	-36°957	-4	...	...	...	36°824	+38°623	1·10	43·7621	9·6	...	24°316	+9°020	0·90	...	...	
*	43°699	+25°585	1·35	43·7618	9·6	...	36°279	-25°558	1·35	44·7957	9·6	...	24°221	-2°953	-5	...	...	
...	43°560	-42°839	0·75	...	...	...	36°263	-23°540	1·25	44·7958	9·6	...	23°867	-48°762	-4	...	...	
...	43°553	-31°238	0·80	...	...	...	36°080	-48°761	-4	...	...	...	23°697	+48°402	-5	...	...	
*	-43°482	+35°109	1·10	...	...	...	-35°877	-33°139	-5	...	...	...	-23°402	-28°454	-3	...	...	
...	43°447	+16°126	-3	...	...	...	35°845	+28°146	-4	...	...	...	23°330	-26°332	1·50	44·7962	9·3
...	43°296	-56°128	0·80	...	...	...	35°635	+35°595	0·85	...	...	...	22°673	+56°425	1·30	43·7624	9·6
...	43°270	+22°462	-5	...	...	...	35°596	+24°763	0·65	...	...	...	22°459	-59°771	-1	...	...	
*	43°229	-16°408	1·00	...	...	...	35°546	+42°490	0·85	...	...	...	22°026	+21°107	2·50	43·7625	8·6
111							171							231						
...	-43°159	-46°620	-3	...	...	...	-35°545	-16°742	2·30	44·7959	8·6	...	-21°775	+13°325	-3	...	...	
...	42°912	+51°759	-4	...	...	...	35°523	+53°441	1·10	...	...	...	21°665	-7°033	-4	...	...	
...	42°643	-17°262	-2	...	...	...	35°243	+53°165	-5	...	...	...	21°622	+26°314	0·75	...	...	
...	42°615	-41°575	0·65	...	...	...	35°147	-40°839	-5	...	...	...	21°348	-24°403	-4	...	...	
*	42°565	+51°314	1·10	...	...	...	34°877	-54°680	0·65	...	...	...	S* 21°297	-10°325	1·80	44·7964	9·2
...	-42°254	+19°424	-5	M	...	...	-34°752	-33°629	2·10	44·7960	8·6	...	-21°029	+1°700	-4	...	...	
...	41°795	-22°929	-5	...	...	...	34°668	+2°985	-3	...	...	...	21°015	-51°103	0·75	...	...	
*	41°770	+16°997	1·00	...	...	...	34°627	-11°005	-4	...	...	...	20°900	+45°265	-2	...	...	
...	41°415	-6°908	-5	...	...	...	34°579	+17°730	0·65	...	...	...	20°590	-57°876	1·40	44·7965	9·0
...	41°147	-6°111	-3	...	...	...	34°392	-55°595	-1	...	...	...	20°483	-41°611	2·00	44·7966	8·4
121							181							241						
†	-41°064	+4°959	0·65	...	...	...	-34°201	+28°730	0·65	...	...	...	-20°407	+7°297	-3	...	...	
...	41°028	-36°560	-3	...	...	...	33°797	+34°151	0·85	...	...	...	20°302	+15°919	-4	...	...	
*	40°978	-12°037	1·00	...	...	...	33°103	-17°289	-5	...	...	...	20°122	+58°933	-1	...	...	
...	40°735	-31°680	-5	...	...	...	33°007	+5°486	-5	...	...	...	20°054	-27°538	-4	...	...	
*	40°707	+41°551	1·50	43·7619	9·5	...	32°894	-30°569	-5	...	...	...	20°009	+24°254	-4	...	...	
...	-40°650	-17°266	-5	...	...	...	-32°723	+9°871	7·00	43·7622	6·0	...	-19°399	-11°911	-5	...	...	
...	40°500	+22°036	-5	...	...	...	32°313	+4°644	-3	...	...	...	19°277	+28°985	-5	M	...
...	40°449	+29°801	-5	...	...	...	32°131	+2°389	0·95	...	...	...	S* 19°229	+33°377	2·90	43·7626	8·0
...	40°286	+15°603	-3	...	...	...	31°879	-29°619	-4	...	...	...	19°090	+31°062	-3	...	...	
...	40°249	+41°616	-5	...	...	...	31°654	-7°230	-5	...	...	...	18°443	-0°505	0·95	...	...	
131							191							251						
...	-40°034	+12°562	-4	...	...	...	-31°595	-19°449	-4	...	...	...	-18°404	+56°581	-2	...	...	
...	39°964	+24°230	-5	...	...	...	31°247	-0°904	-2	...	...	...	18°018	+31°794	1·30	43·7627	9·3
...	39°960	+21°593	0·65	...	...	...	31°039	-38°724	0·65	...	...	...	17°717	-34°742	-3	...	...	
...	39°951	+18°889	0·70	...	...	...	30°906	-58°630	-4	...	...	...	17°704	-37°847	1·10	...	...	
...	39°872	+3°092	-5	...	...	...	30°097	+39°303	-5	...	...	...	17°657	+17°181	-5	...	...	
*	-39°766	+43°308	0·90	...	...	...	-29°857	-8°894	-4	...	...	...	-17°284	+47°169	-4	...	...	
...	39°549	-5°338	0·95	...	...	...	29°694	+59°147	-5	M	...	...	17°111	+29°586	0·95	...	...	
...	39°436	+4°773	-5	...	...	...	29°577	-6°023	-4	...	...	...	16°993	+16°677	-4	...	...	
...	39°426	-15°344	-2	...	...	...	29°505	-31°934	-1	...	...	...	16°914	-5°128	-4	...	...	
...	39°292	-16°847	-5	...	...	...	29°499	+5°766	-5	...	...	...	16°681	+7°239	0·95	...	...	
141							201							261						
*	-39°262	+9°024	-4	...	...	...	-29°072	+0°410	-1	...	...	...	-16°361	-39°483	-2	...	...	
...	39°255	+12°426	1·50	43·7620	9·5	...	29°038	+59°654	-1	...	...	...	16°334	-16°991	-4	...	...	
...	39°134	-50°279	-5	...	...	...	28°992	+39°269	-5	...	...	...	14°985	+0°185	0·85	α	...
...	39°110	-11°522	-5	...	...	...	28°703	+42°059	-3	...	...	...	14°573	+30°251	-1	...	...	
...	38°877	+45°232	-2	...	...	...	28°692	+38°476	-5	...	...	...	14°475	+53°841	1·30	43·7628	9·6
...	-38°731	+18°774	-5	...	...	...	-28°437	-43°669	-3	...	...	...	-14°261	-52°001	-5	...	...	
...	38°689	-36°307	-4	...	...	...	28°246	+6°138	-5	...	...	...	14°089	-21°564	0·65	...	...	
...	38°621	+25°991	0·70	...	...	...	27°727	+46°587	-5	...	...	...	13°981	-43°280	-5	...	...	
...	38°483	+37°464	0·70	...	...	...	27°468	+45°731	-4	...	...	...	13°915	-27°149	-5	...	...	
...	38°401	+25°141	-4	M	...	...	27°442	-31°064	-2	...	...	...	13°475	-52°516	-5	...	...	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-330						331-390						391-450					
271	-13°366	-3°419	-5	...	...	331	-5°056	-28°228	0.70	...	...	391	+7°917	-50°759	-3	...	...
...	13°307	+25°869	-4	...	...	...	4°809	-28°523	-3	...	...	...	7°986	-36°920	-4	...	...
...	13°248	-53°422	-1	...	...	*	4°717	+37°353	0.95	...	...	...	8°040	+8°847	-2	...	...
...	13°121	+46°069	-5	...	...	...	4°387	+48°589	-5	m	...	...	8°068	+29°852	1.20	43.7634	9.6
*	12°965	-57°617	1.90	44.7967	9.0	...	3°996	+24°288	-2	...	...	...	8°255	-39°998	-1	...	...
...	-12°948	+31°260	-3	...	...	...	-3°745	-48°560	-4	...	...	...	+9°335	-55°000	0.75	...	...
...	12°920	-58°415	0.70	...	...	...	3°729	-45°054	-4	...	...	...	9°429	+39°814	-5	m	...
...	12°800	-13°169	-5	...	...	...	3°669	+52°840	-5	m	...	...	9°441	+58°165	-5	...	...
S †	12°788	+59°718	2.80	42.7436	7.8	*	3°358	+34°098	1.10	...	...	...	9°447	+39°642	-2	...	...
...	12°636	-57°826	0.80	...	...	...	3°017	-46°756	-5	...	...	*	9°520	-53°417	1.00	44.7979	9.6
281	-12°594	-0°555	0.85	...	...	341	-3°004	+53°524	-5	...	...	401	+9°655	+25°343	-4	...	...
...	† 11°916	+19°903	-5	...	...	...	2°479	+22°825	-2	...	...	...	† 9°712	-5°798	2.40	44.7980	8.4
...	11°584	-27°965	0.80	...	...	...	2°383	+32°330	-3	...	...	...	9°775	-43°126	0.65	...	...
...	11°537	-16°501	-4	...	...	...	1°884	+46°719	-5	...	...	...	10°136	-55°733	-4	...	...
...	11°316	-44°291	0.70	...	...	*	1°460	+8°987	1.80	43.7632	9.4	...	10°246	-10°873	-2	...	...
...	-11°241	+23°459	-4	...	...	...	-1°295	+12°457	-3	...	...	...	+10°774	+50°249	-4	...	...
...	11°118	+45°923	-5	...	...	...	1°222	-39°967	-5	...	...	...	10°832	-40°625	-5	...	...
...	11°029	+56°626	-5	...	...	†	1°210	-5°056	1.80	44.7974	9.0	...	11°309	-36°623	-4	...	...
...	11°024	+30°189	-4	...	...	*	1°002	-25°242	1.35	44.7975	9.6	*	11°445	-42°413	1.20	44.7981	9.3
...	10°894	-17°170	-5	...	...	...	0°962	-23°647	0.70	...	...	...	11°497	+50°392	-4	...	...
291	-10°530	-33°725	1.40	44.7968	9.5	351	-0°442	+33°937	-5	...	...	411	+11°751	+8°127	-3	...	...
...	10°342	+19°816	-3	...	...	...	-0°042	-20°037	-4	...	...	...	12°033	-24°287	-5	...	...
...	† 10°321	+0°791	-4	...	...	...	+0°365	+34°696	-5	...	...	...	12°208	-45°023	-5	...	...
...	10°117	+38°278	0.85	...	...	...	0°631	+27°166	-5	...	...	...	12°283	+57°273	-4	...	...
*	10°064	-46°803	1.05	44.7969	9.6	...	0°902	-16°798	-5	...	...	...	12°381	-31°138	-4	...	...
*	-9°958	-37°159	1.40	44.7970	9.6	...	+1°074	+49°221	-4	...	...	...	+12°443	-53°303	-5	...	...
...	9°825	+4°252	-5	...	...	*	1°492	+49°942	1.00	...	...	...	12°520	+51°727	-4	...	...
...	9°620	+52°967	-5	...	...	...	1°946	-39°447	-2	...	...	...	12°522	-16°936	-5	...	...
...	† 9°246	-29°967	-2	...	...	...	2°072	+6°312	-4	...	...	...	12°850	-29°117	-2	...	...
*	9°223	+38°052	1.60	43.7629	9.6	...	2°212	-5°270	-2	...	...	...	12°922	-16°000	-5	...	...
301	-9°193	-30°729	-5	...	...	361	+2°294	-41°717	0.65	...	...	421	+13°535	-12°444	1.20	44.7983	9.6
...	9°158	-58°762	-3	...	...	...	2°592	-5°823	-1	...	...	...	13°622	+23°279	0.95	...	...
...	9°154	+42°446	-5	...	...	*	2°681	+8°130	1.20	43.7633	9.6	*	13°633	-35°696	0.95	44.7982	9.6
...	9°028	-37°431	-5	...	...	...	2°969	+15°358	-4	...	...	...	13°694	-44°556	-4	...	...
...	8°936	+28°365	-2	...	...	...	2°978	+0°544	0.90	α	...	...	13°701	+55°303	-4	...	...
...	-8°391	+1°404	-4	...	...	...	+3°035	-14°222	-1	...	...	...	+13°802	-38°236	-5	...	...
...	8°323	-36°538	-5	...	...	...	3°527	+31°019	-4	...	...	...	13°885	-54°442	-4	...	...
...	8°187	+24°228	-5	...	...	...	4°081	-7°060	-5	...	...	...	13°978	-27°845	-5	...	...
*	7°603	+32°761	1.60	43.7630	9.6	...	4°137	-31°578	-5	...	...	...	14°002	+30°736	-2	...	...
*	7°418	-26°809	1.00	...	...	...	4°313	+18°848	-2	...	...	...	14°217	-23°571	-4	...	...
311	-7°411	+58°698	-5	...	...	371	+4°471	+40°184	-1	...	...	431	+14°273	-33°194	-5	...	...
...	7°294	+27°740	2.30	43.7631	8.9	...	4°554	+56°962	-1	...	...	...	14°312	+49°757	-5	...	...
...	7°234	-45°884	-3	...	...	†	5°169	-54°827	1.10	44.7976	9.6	*	14°347	-35°008	1.20	44.7984	9.4
...	6°839	-47°846	0.70	...	...	...	5°404	-37°460	-5	...	...	...	14°523	-16°843	-3	...	...
...	6°779	-40°287	-3	...	...	...	5°520	-35°890	-2	...	...	n †	14°620	+48°354	1.10	43.7635	6.6
...	-6°743	-9°231	0.70	...	...	...	+5°666	+37°494	-4	...	...	†	+14°688	+30°688	-5	...	...
...	6°453	+8°211	-5	...	...	...	5°980	+14°469	-3	...	...	...	14°772	+26°751	-5	m	...
...	6°328	-41°969	-2	...	...	...	6°166	+25°763	-5	...	...	n †	14°897	+48°235	4.90	43.7635	6.6
...	6°296	-40°620	-5	...	...	...	6°383	-21°918	-5	...	...	...	14°904	-41°357	0.80	...	...
...	† 6°287	-34°941	0.80	...	...	...	6°452	-41°181	-1	...	...	...	15°033	-26°307	-5	...	...
321	-6°223	-47°246	2.20	44.7971	9.0	381	+6°475	-17°356	-4	...	...	441	+15°598	+49°638	0.90	...	...
...	5°849	+12°757	-1	...	...	...	6°554	-41°786	-3	...	...	...	15°622	-6°727	0.95	...	...
...	5°782	+18°984	-3	...	...	...	6°778	+48°932	-4	...	...	...	16°232	-36°894	0.70	...	...
*	5°763	-7°345	1.35	44.7972	9.5	...	7°086	-33°943	-1	...	...	...	16°301	+1°694	0.65	...	...
...	5°686	-30°862	-5	...	...	...	7°255	+34°222	0.65	...	...	S *	16°315	-11°114	1.60	44.7985	9.2
*	-5°537	+57°385	0.95	42.7442	10.0	*	+7°273	-54°983	1.20	44.7977	9.5	...	+16°337	-38°340	0.75	...	...
...	5°436	-47°457	0.65	...	...	*	7°554	-36°875	0.95	44.7978	9.6	...	16°496	-35°840	0.85	...	...
...	5°353	-8°279	-1	...	...	...	7°565	-46°993	-2	...	...	...	16°719	+23°717	-4	...	...
...	5°350	-23°622	0.85	...	...	...	7°597	+35°400	-4	...	...	...	16°976	-3°797	-1	...	...
...	† 5°289	-57°174	3.00	44.7973	7.7	...	7°727	-34°164	0.90	...	...	...	17°042	-21°307	-5	...	...

435, 438. C.P.D., mass.

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-510						511-570						571-630					
451	+17·173	-37·168	-5	...	...	511	+21·859	-14·217	-5	...	...	571	+27·605	-3·808	0·90	...	...
...	17·196	-58·541	-4	...	...	...	21·959	+1·865	-5	m	...	...	27·982	-55·336	-5	...	...
...	17·227	+8·390	0·70	...	...	...	22·012	-32·214	0·65	...	...	...	27·983	+9·041	0·85	...	...
...	17·668	+50·533	0·90	...	...	...	22·068	-34·198	-3	...	...	...	28·012	-13·601	-3	...	...
...	17·897	-9·196	-1	...	...	...	22·179	-40·923	0·85	...	...	...	28·178	-35·558	-4	...	...
...	+17·973	-29·745	-5	...	...	...	+22·241	+13·266	-3	...	...	...	+28·207	-37·427	-4	...	...
*	18·047	-30·949	1·20	44·7986	9·6	*	22·266	-41·427	2·70	44·7988	8·2	*	28·243	-21·155	1·05	...	...
...	18·113	-30·005	-5	...	...	...	22·327	-12·108	-2	...	...	...	28·374	-18·900	0·70	...	...
...	18·165	-56·250	-5	...	...	...	22·382	-10·881	0·70	...	...	...	28·393	+51·041	-5	...	...
...	18·326	+24·611	-5	...	...	...	22·453	+3·253	-5	...	...	*	28·810	-49·467	1·05	44·7995	9·6
461	+18·520	-21·956	-5	...	...	521	+22·516	-37·009	-1	...	...	581	+28·854	-46·083	-4	...	...
...	18·620	+27·289	-3	...	...	...	22·709	+53·577	-5	...	...	...	28·996	+8·379	0·80	...	...
...	18·626	-27·260	-5	...	...	...	23·113	-27·152	1·80	44·7990	9·3	...	29·024	+23·445	-3	...	...
...	18·684	+42·438	-5	m	...	...	23·140	-27·789	-5	...	...	...	29·164	+18·523	-3	...	...
S*	18·766	+45·577	2·10	43·7636	8·8	...	23·145	+23·284	0·85	...	...	...	29·186	-32·946	-4	...	...
...	+18·813	-50·081	-2	...	...	*	+23·176	-6·579	1·70	44·7989	9·4	...	+29·325	+13·697	-4	...	...
...	18·971	-17·994	0·70	...	...	...	23·239	+29·351	-5	m	...	...	29·680	-47·311	-2	...	...
...	18·986	+43·089	-3	...	...	...	23·318	+32·039	0·70	...	...	...	29·873	+58·659	-1	42·7460	10·0
...	19·013	-36·072	-5	...	...	...	23·547	-3·695	-3	...	...	...	29·885	+6·723	-5	...	...
...	19·033	-32·606	-3	...	...	...	23·571	+47·022	0·85	...	...	...	29·937	-26·179	-3	...	...
471	+19·054	+32·254	-5	...	...	531	+23·598	+29·039	-1	...	...	591	+29·984	-15·128	-4	...	...
*	19·062	+2·597	3·60	43·7637	7·2	N	23·603	+28·992	-3	...	...	...	30·049	-38·330	-5	...	...
...	19·241	+26·815	-4	...	...	N	23·601	+27·788	0·70	...	...	...	30·153	+7·843	-1	...	...
...	19·246	+44·583	-3	...	...	*	23·630	-43·484	1·00	44·7991	9·6	...	30·380	-5·648	-4	...	...
...	19·294	-40·027	0·70	...	...	...	23·654	+0·308	0·70	α	...	...	30·409	-8·913	0·90	...	...
...	+19·334	+57·451	-3	...	...	...	+23·657	-51·979	-1	...	...	...	+30·464	+33·921	-4	...	...
...	19·441	+41·889	0·90	...	...	...	23·673	-23·309	0·70	...	...	...	30·587	-8·520	-4	...	...
†	19·660	+56·022	-5	...	...	...	23·704	+19·888	-3	...	...	...	30·725	-45·508	0·75	...	...
...	19·738	+11·982	-5	...	...	...	23·805	-50·904	-5	...	...	...	30·842	+56·730	-5	...	...
...	19·739	-46·338	-4	...	...	...	23·950	-39·003	0·65	...	...	...	31·304	-46·153	-1	...	...
481	+19·760	-32·612	-5	...	...	541	+24·391	+21·466	-3	...	...	601	+31·456	-56·787	-1	...	...
...	19·828	-36·943	-4	...	...	*	24·397	+53·904	1·80	43·7641	9·4	...	31·529	-40·077	0·70	...	...
...	19·842	-9·046	1·10	...	...	...	24·537	+56·928	-5	...	...	...	31·675	-20·172	-4	...	...
*	19·892	+6·780	1·35	43·7638	9·5	...	24·551	-3·716	-3	...	...	...	31·705	-33·574	-5	...	...
...	19·983	+4·769	-5	...	...	...	24·770	-47·470	-4	...	...	*	31·735	+57·238	1·20	42·7461	9·2
†	+19·985	-29·910	-5	...	...	...	+24·807	-46·617	0·65	...	...	...	+31·742	+50·946	-4	...	...
...	19·997	-24·587	-4	...	...	...	24·994	-31·967	-4	...	...	...	31·870	-49·308	-1	...	...
...	20·044	-16·639	0·65	...	...	...	24·997	-22·018	0·90	...	...	...	31·953	+45·251	0·80	...	...
...	20·155	-56·272	-4	...	...	...	25·063	-37·006	-4	...	...	...	32·188	+17·815	-4	...	...
*	20·233	+51·203	1·80	43·7639	9·3	...	25·305	-42·279	-5	...	...	...	32·221	-51·301	-3	...	...
491	+20·338	-10·451	-5	...	...	551	+25·363	+8·325	-5	...	...	611	+32·422	-20·865	0·70	...	...
...	20·458	-24·501	-4	...	...	...	25·531	-21·592	-4	...	...	...	33·327	-39·764	-4	...	...
...	20·626	+48·539	-5	...	...	...	25·553	-21·409	-5	...	...	*	33·428	+18·764	1·40	43·7643	9·0
...	20·757	-7·347	-5	...	...	...	25·575	-27·959	1·00	...	...	...	33·525	-17·687	-3	...	...
...	20·764	+47·793	-5	...	...	...	25·746	-38·334	-2	...	...	...	33·609	-23·768	-4	...	...
†	+20·797	-34·995	-3	...	...	*	+25·903	-22·945	1·00	44·7992	9·6	†	+33·678	-59·801	0·90	...	...
...	20·905	-13·666	0·70	...	...	...	26·051	-1·991	0·65	...	...	...	33·769	-14·557	-4	...	...
†	20·922	+24·931	-5	...	...	...	26·121	+2·532	0·95	...	...	...	33·958	+47·732	-5	m	...
*	20·990	+0·949	1·70	43·7640	9·3	...	26·150	+23·151	0·70	...	...	...	33·987	+48·570	-4	...	...
...	21·149	+41·845	-5	...	...	*	26·157	-34·124	1·90	44·7993	9·2	...	34·114	-22·505	-3	...	...
501	+21·168	+52·200	-4	...	...	561	+26·286	+19·613	2·00	43·7642	8·9	621	+34·250	+23·574	1·20	43·7644	9·3
...	21·227	-22·169	-4	...	...	*	26·320	-40·693	-5	...	...	S*	34·429	+47·113	-5	...	...
...	21·261	-22·130	-5	...	...	S*	26·415	-57·065	2·80	44·7994	8·2	...	34·435	-20·911	-2	...	...
...	21·352	-38·253	-5	...	...	...	26·441	+27·607	-2	...	...	†	34·586	-34·159	-4	...	...
...	21·396	-45·080	-4	...	...	...	26·538	+14·618	-5	...	...	†	34·670	-11·784	-5	...	...
...	+21·416	-14·760	-4	...	...	...	+26·670	-43·536	-4	...	...	...	+34·755	+31·453	-3	...	...
...	21·488	+53·609	-5	m	...	...	26·970	+45·855	0·65	...	...	...	34·899	+49·101	-4	...	...
*	21·535	-9·455	2·30	44·7987	9·0	...	27·004	-17·409	-5	...	...	*	35·008	-37·955	1·10	44·7996	9·6
...	21·558	-31·141	-4	...	...	...	27·029	-23·259	0·65	...	...	...	35·016	+24·804	0·80	...	...
...	21·603	-21·930	-3	...	...	...	27·464	+46·724	-5	...	...	*	35·034	-22·735	3·00	44·7997	8·0

531, 532, 43° 100, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-690						691-750						751-810					
63I	+35°074	-40°169	-4	...	...	69I	+39°515	+1°935	1.40	43.7646	9.0	75I	+45°673	+1°737	-5	m	...
...	35°108	+51°023	-5	m	...	...	39°538	+38°550	1.90	43.7645	9.0	...	45°727	+34°168	-4	...	...
...	35°156	-43°025	-5	...	...	...	39°587	+40°730	-5	...	...	...	45°885	-40°247	-4	...	...
...	35°186	+51°265	-5	m	...	...	39°682	+26°182	-5	m	...	...	* 45°921	-20°122	1.00	...	...
...	35°220	+50°209	-5	...	...	...	39°745	-6°717	1.00	44.8000	9.6	...	45°987	-20°417	-3	...	...
...	+35°245	+48°482	-5	m	...	...	+39°788	+38°213	-5	...	...	...	* +46°112	+42°533	1.25	43.7651	9.6
...	35°338	-13°493	-2	...	...	...	39°908	+34°470	-3	...	...	...	46°211	+45°996	-4	...	...
N	35°387	+51°205	-1	...	...	...	39°969	-41°752	-5	...	...	...	46°312	+31°464	0.90	...	...
...	35°573	-31°094	-3	...	...	...	40°185	+47°504	-5	...	...	...	46°313	+58°028	0.75	42.7470	10.0
...	35°633	+49°041	0.80	...	...	...	40°279	+46°731	-4	...	...	...	46°364	-17°817	0.85	...	...
64I	+35°719	+48°609	-3	...	...	70I	+40°322	-39°025	-5	...	...	76I	+46°432	-4°398	-2	...	...
...	35°734	-44°985	-4	...	...	...	40°332	-25°275	-3	...	...	...	46°482	-7°302	-5	...	...
...	35°952	-52°617	-2	...	...	...	40°417	-33°623	-3	...	...	...	46°612	+25°798	-2	...	...
...	35°971	+49°216	0.90	...	...	...	40°430	-8°619	0.90	...	...	...	46°615	+39°796	0.95	43.7652	9.6
...	35°981	+50°506	-2	...	...	...	40°946	-49°007	-4	...	...	...	46°667	+9°492	-5	m	...
S*	+35°984	-3°391	1.20	44.7998	9.3	*	+40°956	-19°647	1.40	44.8001	9.3	...	+46°668	-21°822	-4	...	...
...	36°194	-45°542	-4	...	...	...	41°118	+33°916	-4	...	...	...	46°856	-17°684	-4	...	...
...	36°244	+50°782	-5	...	...	...	41°278	-41°707	-4	...	...	...	47°155	-19°226	-1	...	...
...	36°251	+48°500	0.90	...	...	...	41°529	+7°589	-1	...	...	...	47°237	+19°864	0.65	...	...
...	36°309	-58°826	-4	...	...	...	41°642	+32°625	-2	...	...	...	47°276	-59°150	-1	...	...
65I	+36°335	+46°927	0.80	...	...	71I	+41°700	+46°527	1.00	43.7647	9.6	77I	+47°313	-11°249	-4	...	...
...	36°364	+51°557	-5	m	...	S*	41°914	+1°764	1.70	43.7648	8.9	...	47°401	-30°395	-4	...	...
...	36°412	+49°477	-5	...	...	...	41°973	-6°319	-5	...	...	...	* 47°518	-43°639	1.80	44.8004	9.2
...	36°425	+50°670	-4	...	...	...	42°191	-12°136	-4	...	...	...	47°533	+15°883	-5	m	...
...	36°468	+49°030	-3	...	...	...	42°302	+39°482	-5	m	...	...	47°635	+12°984	-5	m	...
...	+36°492	+50°336	-5	...	...	...	+42°317	+57°449	-2	42.7468	10.0	*	+47°671	+5°790	1.00	...	...
...	36°525	+0°514	-5	...	...	...	42°588	+52°925	-2	...	...	...	47°755	+11°992	-4	...	...
...	36°634	+50°112	-4	a	...	*	42°851	-50°267	1.20	44.8002	9.5	...	47°875	+25°954	-3	...	...
...	36°724	-38°563	-1	...	...	...	42°939	+27°320	-2	...	...	...	47°919	+43°495	-5	...	...
...	36°949	+49°895	0.85	...	...	...	43°043	-44°370	-5	...	...	...	48°028	-24°180	-4	...	...
66I	+37°063	-24°886	-4	...	...	72I	+43°098	+59°229	-5	...	...	78I	+48°137	+9°786	-5	m	...
...	37°235	+15°448	-3	...	...	...	43°124	-7°682	0.80	...	...	...	48°155	-21°601	0.80	...	...
...	37°305	+58°353	-1	...	...	...	43°243	-33°787	0.80	...	...	...	48°222	-35°939	-4	...	...
...	37°339	+27°166	-4	...	...	*	43°272	+47°354	1.80	43.7649	9.2	...	48°222	-35°939	-4	...	...
...	37°386	+25°436	0.85	...	...	...	43°272	+47°354	1.80	43.7649	9.2	...	48°356	-5°002	-5	...	...
...	+37°400	+6°557	-4	...	...	...	43°387	-0°560	-4	...	...	...	48°525	+41°997	-5	...	...
...	37°723	-27°492	0.95	...	...	...	+43°442	+44°148	-5	m	...	...	+48°535	+40°083	-5	m	...
...	37°733	+5°542	-2	...	...	...	43°498	-53°475	-4	...	...	...	* 48°593	-9°414	1.80	44.8005	9.3
...	37°769	+50°433	-5	...	...	...	43°570	+28°161	-3	...	...	...	48°610	-23°205	1.10	44.8006	9.6
...	37°794	-47°690	-2	...	...	*	43°667	+19°657	1.40	43.7650	9.2	*	48°871	-40°052	0.95	...	...
67I	+37°801	+48°914	0.80	...	...	73I	+43°699	+18°922	-3	...	...	79I	+49°316	-7°551	-2	...	...
...	37°803	-53°953	-2	...	...	...	43°720	-18°768	-3	...	...	...	49°321	+55°767	-4	...	...
...	37°883	-53°942	-3	...	...	...	43°758	+57°140	-3	...	...	...	* 49°364	-3°637	1.70	44.8007	9.3
...	37°949	+33°521	-3	...	...	...	44°004	-0°162	0.90	α	...	...	49°478	-51°271	-3	...	...
...	37°995	-59°543	-4	...	...	...	44°212	-15°264	-3	...	...	...	49°562	-0°503	-3	...	...
*	+38°087	-35°330	1.20	44.7999	9.6	...	+44°240	-5°428	-4	...	...	...	49°562	-0°503	-3	...	...
...	38°308	+49°396	-3	...	...	...	44°277	+47°950	-2	...	...	...	* +49°607	-11°592	-3	...	...
...	38°313	+44°253	-4	...	...	...	44°425	-9°504	-1	...	...	...	* 49°883	+17°433	1.70	43.7653	9.4
...	38°364	+52°260	-4	...	...	...	44°462	+7°527	-2	...	...	...	† 50°346	-9°983	-5	...	...
...	38°381	+47°929	-2	...	...	...	44°526	+19°372	-3	...	...	...	† 50°367	-58°488	0.70	...	...
68I	+38°473	+51°665	0.90	...	...	74I	+44°621	-18°481	-1	...	...	80I	+50°429	+32°512	0.65	...	...
...	38°493	-8°208	-4	...	...	...	44°680	+27°291	-4	...	...	...	50°448	-29°369	0.75	...	...
*	38°698	+11°487	0.90	...	...	*	44°796	-25°248	1.80	44.8003	9.3	...	50°637	+48°583	-5	...	...
...	38°786	+52°943	-4	...	...	...	44°817	-20°884	0.70	...	...	...	51°202	+11°082	-4	...	...
...	38°826	+48°287	-1	...	...	...	44°855	+24°683	-3	...	...	...	51°293	+37°107	-5	m	...
...	+38°977	-37°099	-2	...	...	...	+44°976	-46°078	-4	...	...	...	+51°392	-53°555	-4	...	...
...	38°982	-31°674	-5	...	...	...	45°007	-39°062	-5	...	...	...	51°534	-20°596	-5	...	...
...	39°160	-20°206	-3	...	...	...	45°260	-58°769	-3	...	...	...	51°570	-34°118	-5	...	...
...	39°313	-59°696	-3	...	...	...	45°282	-18°743	-5	...	...	...	51°581	+28°095	0.70	...	...
...	39°323	+48°635	-4	...	...	*	45°371	+36°614	1.00	...	...	*	51°772	+8°917	1.05	43.7654	9.6

638. Mass. 43° 100, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
811-840						841-870						871-873					
811	+51'847	-2'608	-5	...	...	841	+55'841	+11'118	-5	...	...	871	+59'233	-52'399	-5	...	...
...	52'403	-28'518	-5	...	...	...	55'928	-3'857	-4	...	...	...	59'318	+56'265	-1	...	...
†	52'959	-39'924	-3	...	...	*	55'960	+25'031	0'95	...	...	†	59'552	-17'555	-1	...	...
...	53'052	-28'738	0'85	...	...	...	55'980	+58'162	0'65	...	...	...		
*	53'218	-33'999	1'05	44.8008	9'6	...	56'081	-2'028	-4	...	...	...		
...	+53'428	+9'097	-5	e	...	...	+56'195	-12'428	-5	...	...	...		
...	53'597	-1'757	-5	e	...	...	56'524	+19'128	-5	...	...	...		
*	53'814	+46'845	1'70	43.7655	9'5	...	56'966	+24'056	0'75	...	...	...		
...	53'821	-18'856	-5	...	...	*	57'003	-8'768	0'70	...	...	...		
*	53'828	+44'986	1'30	...	...	...	57'109	+2'256	1'25	43.7657	9'5	...					
821	+53'954	+23'170	1'10	43.7656	9'6	851	+57'143	+15'632	-5	...	...	...		
*	53'989	+11'765	-5	...	...	*	57'371	-18'310	1'00	...	...	...		
...	54'128	-33'360	-5	...	...	...	57'496	+29'316	-5	...	...	...		
...	54'141	+3'265	-4	...	...	...	57'636	+6'129	-5	m	...	...			
...	54'189	-29'237	-5	...	...	*	57'652	-3'268	0'90	...	...	...		
...	+54'384	-46'499	-5	m	...	...	+57'764	-17'106	-5	...	...	...		
...	54'422	+20'821	-5	...	...	*	57'863	+4'537	2'00	43.7658	9'0	...					
†	54'534	-52'871	0'75	...	...	...	57'931	+22'748	-5	m	...	...			
†	54'552	-11'629	-4	...	...	†	57'960	-10'043	-5	...	...	...		
...	54'620	-39'656	-5	...	...	...	57'983	+32'259	-2	...	...	...		
831	+54'695	-16'331	0'90	...	...	861	+57'999	-30'055	2'00	44.8009	8'4	S †	+57'999	-30'055	2'00	44.8009	8'4
*	54'840	+5'714	1'00	...	...	...	58'072	-13'351	-5	...	...	...	58'072	-13'351	-5	...	...
...	55'005	-53'986	-5	...	...	...	58'228	-37'504	-3	...	...	...	58'228	-37'504	-3	...	...
...	55'019	+22'145	-5	...	...	*	58'470	+26'228	2'80	43.7659	8'0	...	58'470	+26'228	2'80	43.7659	8'0
...	55'174	+13'444	-5	e	...	...	58'485	-30'190	-5	...	...	...	58'485	-30'190	-5	...	...
...	+55'192	+24'366	0'80	...	...	...	+58'754	+27'452	-5	...	...	...	+58'754	+27'452	-5	...	...
...	55'532	-4'792	-5	...	...	...	58'880	-35'303	0'80	...	...	...	58'880	-35'303	0'80	...	...
...	55'634	+20'908	-1	...	...	...	58'963	-8'553	0'70	...	...	...	58'963	-8'553	0'70	...	...
...	55'774	-8'993	0'70	...	...	...	59'014	+37'381	0'75	...	...	...	59'014	+37'381	0'75	...	...
...	55'812	-0'910	-5	...	...	...	59'196	+17'341	-5	...	...	...	59'196	+17'341	-5	...	...

1-20						21-40						41-60					
I	x.	y.	Diam.	No.	Mag.	21	x.	y.	Diam.	No.	Mag.	41	x.	y.	Diam.	No.	Mag.
...	-60'177	-19'422	-3	...	...	*	-56'429	+8'848	1'05	43.7654	9'6	41	-52'926	+20'950	-1	...	...
...	59'606	-30'582	-4	...	...	...	55'765	-58'565	-1	...	...	*	52'735	-16'303	0'90	...	...
...	59'417	-5'168	-5	...	...	*	55'530	+46'818	1'40	43.7655	9'5	*	52'731	+25'077	0'95	...	...
...	59'156	-24'342	-4	...	...	...	55'461	+44'960	1'10	...	...	...	52'412	+11'172	-5	...	...
...	59'116	-21'760	0'75	...	...	...	54'893	-53'604	-5	...	...	...	52'255	-4'743	-4	...	...
*	-59'060	-43'810	1'35	44.8004	9'2	...	-54'770	+9'079	-5	E	...	...	-51'987	+19'198	-5	...	...
†	59'040	-9'564	1'35	44.8005	9'3	*	54'675	+23'144	1'05	43.7656	9'6	...	51'880	-3'793	-5	...	...
...	58'854	-59'336	-5	...	...	...	54'293	+11'756	-5	...	...	...	51'875	-8'938	0'65	...	...
*	58'593	-23'347	0'95	44.8006	9'6	...	54'287	-1'764	-5	E	...	...	51'792	-1'969	-5	...	...
...	58'569	+34'637	-1	...	...	...	54'131	+20'817	-5	...	...	...	51'787	-52'821	0'95	...	...
II						31						51					
*	-58'557	+17'299	1'40	43.7653	9'4	...	-54'006	-28'752	0'80	...	...	...	-51'698	+24'131	0'80	...	...
...	58'478	+32'381	-1	...	...	...	53'890	+3'264	-4	...	...	...	51'373	-12'366	-5	...	...
*	58'453	-3'763	1'35	44.8007	9'3	...	53'766	-39'939	-4	...	...	...	51'249	+15'721	-4	...	...
...	58'379	-7'684	-1	...	...	...	53'718	+58'181	-1	...	...	...	50'930	+32'364	-1	...	...
...	58'339	-0'636	-3	...	...	*	53'663	-34'005	0'90	44.8008	9'6	...	50'890	+2'352	1'20	43.7657	9'5
...	-57'979	-11'721	-3	...	...	...	-53'595	+22'163	-5	...	...	...	-50'668	-8'671	0'65	...	...
...	57'843	-40'176	1'05	...	...	*	53'476	+24'385	0'90	...	...	...	50'322	+56'389	-2	...	...
...	57'200	+28'000	0'75	...	...	...	53'252	+5'734	0'95	...	...	...	50'246	+26'348	2'40	43.7659	8'0
...	56'894	-51'372	-4	...	...	...	53'171	+13'456	-5	E	...	...	50'189	+4'654	1'60	43.7658	9'0
...	56'579	-29'461	-1	...	...	...	53'032	-11'604	-5	...	...	*	50'183	-3'156	0'90	...	...

ES measured from 1, 255, 434, 620, 854, 1101.
NM " " 99, 342, 521, 720, 962.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-120						121-180						181-240					
61	-50°055	+37°507	0.85	...	...	121	-42°815	+23°924	-5	...	...	181	-36°870	+2°177	0.90	...	...
...	50°007	+27°578	-5	...	...	...	42°754	+2°845	0.65	...	...	...	36°866	+19°057	-5	...	...
*	50°004	-18°193	0.95	...	...	S*	42°714	+32°089	2.30	43.7662	7.8	...	36°809	+8°693	0.70	...	...
...	49°877	+50°590	-4	...	...	*	42°597	+41°400	1.05	43.7663	9.6	...	36°744	+50°302	0.65	...	...
...	49°671	-9°897	-4	...	...	...	42°523	+9°915	-4	...	...	...	36°200	-16°729	0.75	...	...
...	-49°466	-13°226	-5	...	...	...	-42°337	-59°128	0.70	...	...	...	-35°980	-59°138	-5	...	...
...	49°265	+17°500	-5	...	...	*	42°045	+45°596	0.85	...	...	...	35°899	+32°467	-5	M	...
...	49°048	+29°566	0.75	...	...	...	41°943	-11°930	-5	...	...	...	35°852	+43°804	0.70	...	...
S*	49°016	-29°907	2.00	44.8009	8.4	...	41°908	+19°397	0.65	...	...	...	35°741	-58°823	-5	...	...
...	48°909	+17°716	-1	...	...	...	41°878	+13°122	0.70	...	...	...	35°729	-49°789	-5	...	...
71	-48°715	-8°393	0.75	...	...	131	-41°653	+36°305	-5	...	...	191	-35°623	-11°302	-5	...	...
...	48°573	-37°343	-4	...	...	*	41°605	+26°074	1.00	43.7665	9.6	...	35°582	-44°164	-5	...	...
...	48°539	-30°031	-5	...	...	*	41°563	+22°456	1.05	43.7664	9.6	...	35°530	-4°337	0.75	...	...
*	48°426	+26°891	1.20	43.7660	9.5	...	41°180	+53°012	-5	M	...	...	35°394	+32°242	0.70	...	...
...	48°331	+9°154	-5	M	...	*	41°091	-33°334	1.00	...	...	...	35°346	-26°034	-4	...	...
...	-47°992	-35°135	0.75	...	...	*	-41°036	-23°483	0.90	...	...	...	-35°253	+21°258	-5	...	...
...	47°984	-9°344	-4	...	...	...	41°014	+36°303	-5	...	...	...	35°196	+32°676	-5	M	...
...	47°899	+41°646	-4	...	...	...	40°956	-19°980	-4	...	...	*	35°098	-30°107	0.95	44.8014	9.6
...	47°813	-5°398	-4	...	...	...	40°892	-35°562	0.70	...	...	...	35°006	-55°490	1.05	...	...
†	47°672	-19°651	-5	...	...	...	40°859	+22°333	-5	...	...	...	35°003	+23°173	-5	...	...
81	-47°553	-16°069	-4	...	...	141	-40°801	-37°950	-5	...	...	201	-34°824	-25°919	0.65	...	...
...	47°135	-5°539	-1	...	...	...	40°750	+13°120	-5	M	...	*	34°781	+17°848	1.00	43.7668	9.6
...	47°106	-52°186	-5	...	...	*	40°561	+43°143	1.60	43.7666	9.0	...	34°733	-58°084	-5	...	...
...	46°989	+19°973	0.75	...	...	...	40°555	+48°263	0.70	...	...	...	34°596	+49°215	-5	...	...
...	46°815	+37°483	-1	...	...	...	40°543	-38°819	-5	...	...	...	34°521	+39°782	0.80	...	...
...	-46°715	-7°760	-4	...	...	...	-40°211	+38°188	-5	...	...	...	-34°353	+28°292	-5	M	...
...	46°507	+53°172	-5	...	...	...	40°202	+5°055	-5	M	...	...	34°197	+50°421	-5	...	...
...	46°501	-15°509	-5	...	...	...	39°927	-38°160	0.70	...	...	...	34°177	+51°327	-5	...	...
...	46°275	+30°325	-5	...	...	...	39°733	+5°915	0.70	...	...	...	34°173	+5°343	0.70	...	...
...	46°186	+54°015	0.90	...	...	...	39°714	+53°076	-5	...	...	...	34°032	-2°587	0.70	...	...
91	-46°181	+37°335	-4	...	...	151	-39°695	-58°287	-5	...	...	211	-34°011	+4°321	-4	...	...
...	46°104	+56°715	-5	...	...	...	39°597	+44°070	0.80	...	...	...	33°981	+1°761	0.70	...	...
...	45°982	+32°417	-3	...	...	...	39°518	+36°154	-1	...	...	...	33°979	+17°292	0.70	...	...
...	45°916	-37°829	-5	...	...	...	39°441	+10°072	-4	...	...	...	33°965	+37°283	-5	...	...
...	45°870	+21°244	-4	...	...	...	39°428	+13°572	-5	M	...	...	33°783	-58°239	0.70	...	...
...	-45°744	+49°822	-4	...	...	*	-39°415	-9°100	1.70	44.8010	8.9	*	-33°611	+24°000	1.05	43.7669	9.6
...	45°455	+23°628	0.65	...	...	...	39°414	+11°732	0.90	...	...	...	33°502	+15°429	-5	...	...
...	45°384	-17°334	-4	...	...	*	39°385	+57°766	1.50	42.7480	9.2	...	33°396	+46°047	-5	...	...
...	45°257	-8°291	-3	...	...	...	39°320	-20°263	0.65	...	...	...	33°363	-50°922	0.75	...	...
...	44°874	+20°466	-5	...	...	...	39°245	+4°860	0.70	...	...	...	33°030	-43°743	-5	...	...
101	-44°819	+13°403	-5	...	...	161	-38°914	+3°068	-5	M	...	221	-33°017	+37°497	-5	M	...
...	44°537	+27°019	0.70	...	...	*	38°873	-46°682	1.50	44.8011	9.2	...	33°009	+21°139	-5	...	...
...	44°515	+5°803	0.70	...	...	...	38°737	-43°054	-5	B	...	...	32°992	+16°476	0.65	...	...
...	44°275	+17°030	0.65	...	...	...	38°657	-37°384	0.65	...	...	...	32°985	-20°856	-5	...	...
...	44°230	-59°130	-1	...	...	...	38°558	+7°098	-5	M	...	...	32°985	-55°759	-5	...	...
...	-44°075	+43°922	-5	...	...	...	-38°554	+9°077	0.70	...	...	...	-32°948	+34°356	0.65	...	...
...	44°065	+13°375	-5	...	...	...	38°346	+3°328	-5	...	...	...	32°789	+4°961	-5	M	...
*	44°056	+28°746	1.05	43.7661	9.6	...	38°330	-7°799	0.70	...	...	...	32°759	-17°620	0.80	...	...
...	44°045	+37°372	-5	...	...	...	38°069	-39°716	0.85	...	...	*	32°687	+48°159	1.40	43.7670	9.3
...	44°000	-0°035	0.65	α	...	...	38°033	-26°791	0.70	...	...	...	32°672	-32°989	-4	...	...
111	-43°947	-31°378	-1	...	...	171	-38°004	+19°420	-5	M	...	231	-32°415	-41°487	-5	...	...
...	43°944	+16°598	0.75	...	...	...	37°495	-10°942	-5	...	...	...	32°405	-49°834	-4	...	...
...	43°928	-48°102	0.65	...	...	...	37°472	-11°578	-3	...	...	...	32°189	-58°648	-5	...	...
...	43°892	-0°312	0.75	α	...	...	37°452	-45°278	0.80	...	...	...	32°183	+8°843	-2	...	...
*	43°715	+24°195	1.00	...	...	*	37°386	-2°529	1.10	43.7667	9.6	*	32°143	+19°582	1.15	43.7671	9.3
...	-43°625	+39°452	-5	M	...	...	-37°301	-25°781	-3	...	...	...	-32°120	+53°980	0.80	...	...
...	43°469	+53°935	0.85	...	...	...	37°010	-4°891	0.65	...	...	...	31°905	-45°374	-5	...	...
...	43°431	-32°652	-5	...	...	...	36°915	+11°928	-5	M	...	...	31°899	+19°509	0.70	...	...
...	43°125	+28°584	-5	...	...	*	36°890	-28°854	1.10	44.8013	9.4	...	31°786	-0°774	-5	...	...
...	43°115	+36°642	-4	...	...	...	36°876	-17°146	-5	...	...	...	31°666	-38°282	0.80	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
241-300						301-360						361-420						
241	-31.649	+51.090	-5	...	...	301	-24.830	+51.294	0.75	...	...	361	-18.046	-44.164	-4	...	...
...	31.511	+50.418	-5	...	...	...	24.486	-36.758	-5	...	...	...	17.840	-5.720	0.70	...	...
...	31.246	-1.806	0.65	...	...	...	24.300	-57.666	-4	...	...	...	17.773	-51.159	-5	...	...
...	31.246	-31.823	-5	...	...	...	24.283	+16.559	0.90	...	...	...	17.605	-14.916	-5	...	...
...	31.224	+3.267	0.80	...	...	...	24.268	+42.247	-4	...	...	...	16.981	-11.111	0.70	...	...
*	-31.171	+25.129	1.80	43.7672	8.3	*	-24.249	-16.820	0.90	...	...	...	-16.952	-18.692	-5	...	...
...	31.164	+39.068	0.65	...	...	...	24.176	-22.577	0.75	...	...	...	16.857	-32.494	-5	...	...
*	31.021	-35.096	1.60	44.8015	8.9	...	24.162	+25.889	0.75	...	...	*	16.801	+30.594	1.60	43.7682	8.9
...	30.898	+16.429	0.75	...	...	...	24.143	+5.549	-4	...	...	...	16.746	+30.677	0.75	...	...
...	30.841	-9.862	-5	...	...	...	24.030	+47.423	-5	...	...	...	16.539	-39.417	0.70	...	...
251	-30.811	-51.160	0.80	...	...	311	-24.024	+21.217	1.10	43.7678	9.6	371	-16.469	+30.062	-5	M	...
...	30.694	-35.599	-4	...	...	...	23.980	+29.616	0.70	...	...	...	16.227	+13.068	0.90	...	...
...	30.649	-4.095	-2	...	...	...	23.889	+31.880	-5	...	...	...	16.156	+42.228	0.70	...	...
...	30.614	-53.558	-5	...	...	...	23.762	-44.954	-5	...	...	...	16.051	+5.713	0.75	...	...
N †	30.273	+38.866	1.10	43.7674	9.2	*	23.390	+36.524	0.70	...	...	...	15.988	+27.356	0.70	...	...
N †	-30.205	+38.894	-2	...	...	...	-22.400	-29.092	0.90	...	...	...	-15.977	+9.467	-4	...	...
S †	30.257	-11.490	2.50	44.8016	7.9	...	22.319	+43.925	0.80	...	...	...	15.673	-52.646	-5	...	...
...	30.092	-17.486	0.70	...	...	...	22.306	-55.830	-2	...	...	†	15.433	-56.731	-5	...	...
*	30.004	+5.622	1.10	43.7673	9.6	...	22.295	-30.891	-3	...	...	...	15.239	-21.566	-1	...	...
...	29.824	+41.248	-5	...	...	...	22.254	+41.386	0.70	...	...	*	15.044	-36.719	0.95	...	...
261	-29.733	+6.976	-5	M	...	321	-22.110	+41.559	-2	...	...	381	-14.895	+49.525	-5	...	...
...	29.637	+1.588	0.70	...	...	...	22.063	-3.773	0.85	...	...	...	14.884	-18.213	0.90	...	...
...	29.573	+26.354	-1	...	...	...	21.784	+52.209	-1	...	...	...	14.750	+59.102	0.90	42.7491	10.0
...	29.546	+5.526	-1	...	...	...	21.782	-57.266	-1	...	...	...	14.652	-19.765	-5	...	...
...	29.441	+19.103	-5	...	...	...	21.757	-2.389	-5	...	...	...	14.589	+50.689	-5	M	...
...	-29.428	+54.080	-2	...	...	...	-21.732	-51.497	-5	...	...	...	-14.504	-26.938	1.00	...	...
...	28.864	-11.835	-5	...	...	*	21.717	-39.362	0.90	...	...	...	14.497	+22.421	0.80	...	...
*	28.815	+42.251	0.95	43.7675	9.6	...	21.667	-26.716	-3	...	...	...	14.420	-14.064	-5	M	...
...	28.694	-54.920	0.95	...	...	S *	21.246	+1.786	1.60	43.7679	8.9	...	14.366	+59.920	-5	...	...
...	28.635	-51.455	-5	...	...	...	21.214	+12.546	-5	M	...	...	14.337	+6.774	0.75	...	...
271	-28.587	+39.063	0.90	...	...	331	-21.132	-47.867	-3	...	...	391	-14.248	-34.660	0.80	...	...
*	28.520	-47.421	-5	20.796	+25.520	-5	M	†	14.207	-13.040	-5	M	...
...	28.454	+7.239	-4	20.784	+14.552	-5	M	14.137	+34.557	0.80
*	28.237	-5.678	0.95	44.8018	9.6	...	20.733	-27.794	-2	...	...	S *	14.036	+32.506	1.00	43.7683	8.8
...	27.992	+40.611	-5	M	...	...	20.710	-23.229	0.85	...	...	...	13.997	-35.332	0.85	...	...
...	-27.831	+13.029	-4	...	...	...	-20.666	-48.079	-4	...	...	...	-13.918	-19.375	-4	...	...
*	27.797	-46.594	1.15	44.8017	9.5	S *	20.655	-49.163	1.20	44.8019	9.2	*	13.561	-11.505	1.20	44.8023	9.5	
...	27.743	+20.728	0.85	...	...	...	20.650	-9.929	-5	...	...	...	13.465	-49.162	0.90	...	...
...	27.580	+41.288	0.70	...	...	...	20.547	+38.093	1.15	43.7680	9.2	...	13.446	+24.952	-5	M	...
...	27.577	-25.643	-1	...	...	...	20.532	-35.209	-4	...	...	†	13.440	-49.492	0.70	...	...
281	-27.496	-3.687	0.75	...	...	341	-20.530	+52.908	0.65	...	...	401	-13.324	-36.849	-5	...	...
*	27.449	+14.839	1.10	43.7676	9.3	...	20.327	-16.569	0.95	...	...	...	13.228	-42.312	0.65	...	...
...	27.318	-55.385	-5	...	...	...	20.281	-38.721	0.65	...	...	...	13.120	-5.582	0.80	...	...
...	27.006	-32.191	-5	...	...	...	20.132	+23.496	0.70	...	...	...	12.998	-37.716	-5	M	...
...	26.691	-38.760	-4	...	...	...	20.099	-31.554	0.65	...	...	...	12.995	+41.965	0.90	...	...
...	-26.676	-50.609	-4	...	...	...	-19.928	+33.764	-5	...	...	...	-12.925	+7.639	-5	...	...
...	26.585	-23.193	-1	...	...	...	19.892	+26.904	0.80	...	...	...	12.905	-38.106	0.75	...	...
...	26.501	+50.595	0.80	...	...	*	19.878	-26.255	1.00	44.8021	9.6	...	12.729	-27.435	-5	...	...
...	26.336	+40.725	0.80	...	...	...	19.790	-11.858	-1	...	...	...	12.678	+40.909	-5	M	...
...	26.181	-56.139	-5	...	...	*	19.770	-16.165	1.00	44.8020	9.6	...	12.649	-11.941	0.80	...	...
291	-26.051	+18.845	1.20	43.7677	9.0	351	-19.525	-34.691	1.20	44.8022	9.0	411	-12.600	+48.261	0.90	...	...
*	25.979	-2.413	-4	...	...	...	19.257	+42.246	-5	...	...	*	12.441	+50.033	-5	...	...
*	25.802	-13.888	0.80	...	...	†	18.959	+39.980	1.05	43.7681	9.5	...	12.343	-38.097	-5	...	...
...	25.659	+1.896	-5	M	...	...	18.933	+45.076	-5	...	...	...	12.341	-10.884	-3	...	...
...	25.448	-27.712	-3	...	...	†	18.777	+40.140	1.00	43.7681	9.5	...	12.323	+30.910	0.70	...	...
...	-25.208	+19.300	-4	...	...	...	-18.496	+11.378	-5	...	...	...	-12.288	-5.362	-5	...	...
...	25.207	-22.928	-5	...	...	...	18.422	-52.559	-5	...	...	*	12.135	-37.633	0.90	...	...
...	25.097	-30.520	-1	...	...	...	18.387	-21.279	-5	...	...	...	11.967	+6.803	0.70	...	...
†	24.975	+10.305	-2	...	...	...	18.194	-8.782	-5	...	...	...	11.917	-37.108	0.65	...	...
...	24.910	-38.978	-5	...	...	...	18.167	-28.541	0.70	...	...	...	11.896	-33.619	-5	...	...

255, 256. 43° 100, mass.

353, 355. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
421-480						481-540						541-600							
421	-11.872	+7.776	0.80	o	...	481	-5.032	-15.526	0.75	o	...	541	+2.209	-55.596	-5	o	...		
...	11.831	+42.882	-1	...	...	...	4.953	+22.698	-5	M m	...	...	2.230	-58.676	-3	...	...
...	11.775	+17.802	-5	M	...	...	4.925	+39.533	-5	M m	...	...	2.358	+27.615	-5	M m	...		
...	11.745	-41.744	-5	...	...	...	4.904	-40.134	-4	...	...	...	* 2.366	+46.720	1.00	43.7691	9.6		
...	11.649	+42.795	-5	...	...	...	4.786	+36.211	-5	M m	...	...	...	2.444	-14.369	0.70	...	...
...	-11.469	+26.039	-3	...	...	...	-4.722	-30.834	-3	...	...	...	†	+2.468	-24.567	0.75	...	...
...	11.401	+16.443	0.70	...	...	...	4.700	+45.186	-3	...	...	...	*	2.748	-42.283	0.95	...	...
N	11.337	+19.131	0.85	...	...	...	4.614	+12.921	0.65	...	...	...	...	2.856	-48.214	-1	...	...
N	11.336	+19.078	-5	...	...	...	4.610	-39.404	-5	...	...	...	...	3.030	+23.292	-5	M m	...	
*	11.245	-3.357	1.00	...	...	...	4.569	+12.357	0.90	...	...	...	...	3.070	-17.446	-4	...	...
431	-11.082	+37.719	-5	...	...	491	-4.531	-33.557	0.90	...	...	551	+3.141	+59.622	-5	...	...
...	10.781	+4.299	-5	M	...	...	4.464	-5.700	-5	...	...	...	...	3.382	+30.156	-5	M	...	
*	10.577	+10.882	1.50	43.7684	9.2	...	* 3.938	+28.435	1.00	43.7686	9.6	...	...	3.463	-41.289	-5	...	...
...	10.298	-35.774	0.90	...	...	...	* 3.920	-2.907	0.95	...	...	...	...	3.465	+7.821	0.85	...	...
...	10.223	-10.410	0.65	...	...	...	...	3.785	-25.397	-5	...	...	...	3.497	-11.036	0.70	...	...
...	-10.171	-14.787	-2	...	...	...	-3.707	-49.652	-2	...	...	...	+	3.730	-52.488	0.85	...	...
*	10.147	-52.199	0.90	...	...	...	...	3.670	-29.399	-1	...	...	...	...	3.760	-32.298	0.70	...	...
...	10.120	+50.542	-2	...	...	...	...	3.584	-12.248	-5	...	...	...	...	3.780	+35.814	-5	M m	...
...	10.094	+27.508	-1	...	...	...	...	3.473	+16.443	0.65	...	...	...	*	3.913	-26.742	1.10	44.8033	9.4
...	10.038	-30.730	0.80	...	...	...	...	3.395	-26.334	-3	...	...	...	...	3.956	-21.496	-5	...	...
441	-9.955	-35.923	-5	...	...	501	-3.379	-23.204	-5	...	...	561	+3.986	-9.460	0.65	...	...
...	9.875	-40.816	-5	...	...	...	* 3.319	-53.101	0.95	...	...	...	...	3.990	+51.237	-4	...	...
...	9.729	-16.316	-2	...	...	...	...	3.168	+28.414	-4	M m	...	...	* 4.011	+30.810	1.10	43.7692	9.6	
*	9.703	+24.189	1.20	43.7685	9.3	...	...	3.141	-37.863	0.80	...	...	...	...	4.020	-42.031	-5	M m	...
...	9.601	-17.371	-5	...	...	...	...	3.130	+14.226	0.90	...	...	...	...	4.251	+28.139	-5	M m	...
*	9.254	-4.838	0.95	44.8025	9.6	...	-2.984	-22.714	-5	...	...	...	+	4.411	-27.626	1.00	44.8034	9.6	
...	9.018	+0.136	-2	α	...	...	...	2.842	+32.534	0.70	...	...	...	...	4.449	+2.054	-5	M m	...
*	9.007	-48.770	1.25	44.8026	9.3	...	...	2.709	+35.975	-4	...	...	...	*	4.492	-12.432	0.95	...	...
...	8.952	-16.722	-2	...	...	...	...	2.690	+50.976	1.00	43.7687	9.6	...	...	4.704	+34.401	0.90	...	...
...	8.897	+50.748	-2	...	...	...	...	2.436	-55.052	-5	...	...	...	...	4.992	+40.716	-5	M m	...
451	-8.737	-8.920	-5	...	...	511	-2.298	-45.665	0.90	...	...	571	+5.076	-58.231	-5	...	...
...	8.611	+38.103	-4	...	...	...	...	2.076	+1.540	-5	M m	...	...	...	5.111	+28.909	-5	M m	...
*	8.609	-5.350	0.85	...	...	...	...	1.601	+18.143	0.95	...	...	...	...	5.171	-17.653	-4	...	...
...	8.322	+35.862	0.70	...	...	...	...	1.543	+40.647	0.65	...	...	...	...	5.180	+39.038	0.70	...	...
...	8.286	-6.489	0.85	...	...	...	...	1.420	-10.075	-5	m	...	...	...	5.189	+45.763	-5	M m	...
...	-8.242	+41.742	-4	...	...	...	...	-1.258	+6.454	-1	...	...	...	+	5.271	+22.811	0.70	...	...
S*	8.231	+58.248	1.80	42.7497	8.5	...	...	1.009	+38.439	-4	...	...	...	...	5.276	+16.631	0.70	...	...
...	8.224	+38.719	-1	...	...	...	...	0.954	-41.130	0.80	...	...	...	...	5.309	+38.259	-1	...	...
...	8.119	-35.466	-5	...	...	...	...	0.748	+4.083	1.00	...	...	...	...	5.601	-38.957	-5	...	...
...	8.119	-37.880	-5	...	...	...	...	0.715	-13.707	0.90	...	...	...	†	5.616	-14.609	-5	M m	...
461	-8.068	+55.971	-4	...	...	521	-0.317	-38.117	-5	...	...	581	+5.823	-57.878	1.60	44.8035	9.2		
...	7.996	-33.209	0.85	...	...	...	...	-0.205	+12.356	1.50	43.7688	9.2	...	...	5.915	+54.229	0.85	...	...
*	7.762	-27.501	1.10	44.8027	9.3	...	...	+0.003	-41.742	-4	...	...	...	...	6.373	-18.344	0.70	...	...
...	7.696	+12.781	0.70	...	...	...	...	0.038	+44.782	1.60	43.7689	9.0	...	...	6.399	+26.653	-5	m	...
...	7.664	+28.290	-5	M	...	...	...	0.129	+45.788	0.80	...	...	...	...	6.590	+16.905	-5	m	...
*	-7.565	+36.696	0.95	...	...	...	...	+0.623	-14.942	-5	M m	...	...	+	6.773	-37.423	0.70	...	...
...	7.380	+2.920	0.90	...	...	...	...	0.665	+58.377	1.30	42.7508	9.2	...	...	6.783	+4.821	-5	m	...
...	7.227	+7.224	-5	M	...	...	...	0.673	+12.657	-2	B m	...	...	*	6.864	-9.310	1.00	44.8036	9.6
...	7.117	+45.974	-5	...	...	...	...	0.733	-26.027	-5	...	...	S*	6.982	+14.570	2.50	43.7693	8.0	
*	6.903	+46.223	1.00	...	...	...	...	0.998	+41.517	0.75	...	...	†	7.034	+10.249	0.70	...	...
471	-6.486	-29.966	0.90	44.8028	9.6	531	+1.054	-22.419	-5	m	...	591	+7.144	+27.773	-4	...	...
...	6.459	+34.785	-1	...	...	...	...	1.150	+24.343	-5	M m	...	...	...	7.193	-59.209	-5	...	...
...	6.355	-8.494	-5	...	...	...	...	1.458	-48.080	-1	...	...	...	...	7.234	-46.773	-5	...	...
...	5.689	+18.473	-4	...	...	...	...	1.636	+15.171	0.80	...	...	...	...	7.306	-43.068	0.80	...	...
...	5.569	-6.984	-5	m	...	...	...	1.690	+9.512	-3	A m	...	...	...	7.376	-21.545	-5	...	...
*	-5.516	+39.925	0.90	...	...	...	...	+1.742	-31.789	1.50	44.8030	8.9	...	+	7.443	-35.643	-5	...	...
†	5.457	+15.323	-2	...	...	...	...	1.861	+42.983	0.70	...	...	*	7.603	-46.944	1.10	44.8037	9.6	
†	5.437	-4.025	-5	...	...	...	...	2.029	+55.685	1.00	43.7690	9.6	...	...	7.648	+25.440	0.65	...	...
†	5.436	+36.205	-2	...	...	...	...	2.069	-43.453	1.00	44.8032	9.6	...	...	7.670	-9.271	-5	...	...
*	5.232	-32.634	0.90	...	...	...	...	2.157	+44.029	-5	M m	...	...	...	7.709	+10.855	0.70	...	...

428, 429. 43° 100, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.				
601-660						661-720						721-780									
601	+	7.926	-55.500	-5	...	661	+	13.317	-56.904	-5	...	721	+	19.673	+1.804	0.70	...				
...	...	8.116	+25.693	-5	m	...	...	13.384	-9.823	-5	m	...	...	19.790	-48.428	0.95	...	
...	...	8.120	-37.880	0.90	...	...	...	13.543	+0.011	-4	β	...	...	19.911	-58.139	-5	...	
...	...	8.230	-14.768	0.70	...	...	...	13.644	-28.121	-2	...	...	...	19.936	+51.138	-5	m	
...	...	8.260	-5.694	0.70	...	...	...	13.710	+2.513	-5	m	...	...	20.055	+44.486	0.80	...	
...	...	+	8.270	+24.999	-4	...	...	+	13.878	-28.324	-4	...	...	+	20.091	+52.399	-4	...
S*	...	8.301	-18.312	1.15	44.8038	9.2	...	...	13.919	-28.246	-5	...	...	...	20.228	-23.975	-5	...
...	...	8.401	+29.133	0.80	...	...	...	...	14.273	-5.658	-4	...	...	...	20.258	+41.044	0.75	...
...	...	8.456	-41.270	0.70	...	...	...	...	14.676	-27.539	-5	...	...	...	20.290	-46.527	0.75	...
...	...	8.519	-0.024	-3	...	...	...	...	14.743	-1.831	-5	...	...	...	20.380	+20.988	-5	m
611	...	+	8.520	+55.523	0.65	...	671	...	+	14.790	+17.393	-5	m	...	+	20.439	-18.914	-5	m		
...	...	8.929	+43.852	-2	...	...	...	...	14.864	+50.456	-3	...	...	...	20.479	-26.301	-1	...
*	...	8.975	-47.525	1.10	44.8039	9.6	...	...	14.913	+41.821	-5	m	...	...	20.559	-51.302	1.10	...
...	...	9.018	+2.376	-5	m	...	...	...	15.112	-3.294	-4	...	...	...	20.562	-25.577	-5	...
...	...	9.034	+0.455	0.90	α	...	...	...	15.209	-42.773	-1	...	...	...	20.725	+24.728	0.65	...
...	...	+	9.281	-37.007	-5	...	*	...	+	15.239	-55.201	1.10	44.8043	9.5	...	+	20.742	+54.199	-5	m	
*	...	9.330	+1.189	1.00	43.7694	9.6	...	...	15.290	+2.051	-5	m	...	...	20.782	+22.413	0.75	...
...	...	9.360	+6.061	0.75	...	...	...	...	15.634	-36.962	-5	...	...	...	20.837	-38.153	0.75	...
...	...	9.458	-40.207	-5	...	...	...	...	15.876	-25.298	1.40	44.8044	9.0	*	20.860	-58.005	1.10	44.8048
...	...	9.928	-37.979	-3	...	...	...	...	15.989	-40.499	-4	...	...	...	20.899	-49.259	0.80	...
621	...	+	9.985	-25.421	-5	...	681	...	+	16.015	+31.572	-2	+	20.928	-22.264	0.65	...		
*	...	10.043	+58.479	1.00	42.7517	10.0	...	...	16.023	+13.163	-4	m	...	...	20.957	+22.003	-5	m
*	...	10.047	-10.371	0.95	...	...	*	...	16.059	+47.021	0.95	43.7698	9.6	...	20.960	-41.313	0.65	...	
...	...	10.296	-16.967	-5	m	...	...	...	16.125	+31.969	-5	m	...	...	21.082	+45.217	0.70	...
...	...	10.334	+4.267	-5	m	...	...	...	16.189	+24.802	-5	m	...	...	21.253	-13.854	-4	...
...	...	+	10.387	+18.809	-5	m	+	16.219	+24.614	-2	+	21.302	-29.177	-5	...		
...	...	10.390	-40.576	-4	...	...	*	...	16.242	-15.414	1.00	44.8045	9.5	...	21.428	-24.902	0.85	...	
...	...	10.433	+4.907	-5	m	...	*	...	16.281	+51.365	0.90	...	...	...	21.830	-20.829	-5	...
...	...	10.435	+27.472	-5	m	...	...	...	16.299	-32.468	-4	...	...	...	21.877	+35.766	-5	m
*	...	10.464	+24.443	0.80	...	...	...	...	16.591	+45.223	-1	...	...	...	21.879	+17.292	-5	m
631	...	+	10.542	+3.969	-5	m	691	...	+	16.687	-33.264	-5	+	21.990	-34.664	-5	...		
*	...	10.692	+24.168	1.10	43.7695	9.3	...	...	16.740	-53.722	0.90	...	...	...	22.310	-49.047	0.75	...
...	...	10.877	+23.118	-5	m	...	...	...	17.459	+37.323	-5	...	...	...	22.345	-28.735	-5	...
...	...	10.925	-11.012	-2	...	...	...	...	17.614	+13.547	-4	m	...	...	22.468	+29.445	-5	m
...	...	10.943	-12.948	-4	...	...	...	...	17.649	-28.211	-3	...	...	*	22.476	+15.186	1.00	43.7700
...	...	+	10.943	-26.007	0.70	+	17.675	+16.516	-5	m	...	+	22.482	-28.626	0.80	...		
*	...	10.989	-45.382	1.60	44.8040	8.8	17.768	+42.877	-4	22.521	-43.944	0.70	...		
*	...	11.211	+19.315	0.90	43.7696	9.6	17.881	+26.293	0.80	22.540	-27.875	-5	...		
...	...	11.248	+22.902	0.75	...	...	...	...	18.066	+50.848	0.85	...	...	...	22.712	+3.368	0.80	...
...	...	11.263	+34.767	0.75	...	...	...	...	18.195	+9.058	-3	a	...	...	22.765	+24.907	0.75	...
641	...	+	11.276	+39.030	0.90	...	701	...	+	18.223	-2.514	0.80	+	23.006	+39.177	0.90	...		
*	...	11.283	+33.383	1.00	43.7697	9.6	18.307	-33.412	0.75	23.037	+38.909	0.65	...		
...	...	11.477	-33.111	0.90	18.352	-11.588	0.65	*	23.063	+44.484	1.10	43.7701		
...	...	11.632	+5.078	-5	m	18.383	-21.370	-5	m	23.311	-30.373	-5	m		
...	...	11.727	+32.913	-3	18.396	+43.930	-5	m	23.353	+28.770	-5	m		
...	...	+	11.787	+49.676	-4	+	18.453	+8.743	-4	m	...	+	23.422	-33.117	-5	...	
...	...	11.854	-41.704	0.75	*	18.664	-28.343	1.05	44.8046	9.5	S*	23.441	-48.932	2.00	44.8049		
...	...	11.926	-52.999	-5	18.672	-1.817	-2	23.463	-33.675	-5	...		
...	...	12.027	+28.091	-5	m	18.828	-24.397	-5	23.482	-37.430	0.80	...		
...	...	12.148	+21.652	-5	m	18.905	+17.782	-2	*	23.490	+34.348	1.00	43.7702		
651	...	+	12.188	+3.536	-5	m	711	...	+	18.920	+43.600	1.00	43.7699	9.6	771	...	+	23.552	+59.588	-5	m
*	...	12.269	+14.943	0.90	19.027	-31.425	-4	23.571	+4.089	0.70	...		
...	...	12.276	+31.441	-2	19.093	-55.055	-5	23.595	-1.309	0.65	...		
...	...	12.340	-16.776	-3	*	19.266	+59.487	1.20	42.7520	9.6	...	23.637	-32.579	-1	...		
*	...	12.542	-53.050	1.00	44.8041	9.6	19.266	+20.022	-3	23.721	-45.189	0.75	...		
*	...	+	12.578	-51.693	1.20	44.8042	9.3	+	19.275	+19.954	-1	+	23.728	+2.7143	-5	m	
...	...	12.787	+2.117	-2	*	19.450	-36.441	0.85	23.762	+8.186	0.65	a		
...	...	13.152	+59.949	-4	19.454	+44.483	0.90	23.780	+23.657	-5	...		
...	...	13.182	-57.525	-3	19.480	+5.088	-5	m	23.915	-37.102	-5	...		
...	...	13.304	+6.024	-3	a	19.544	-17.680	-4	*	23.966	+45.313	0.95	43.7703		

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
781-840						841-900						901-960							
781	...	...	...	...	...	841	...	...	...	...	...	901	...	...	...	...	...
...	+24°022	-31°668	0.85	...	...	...	+28°232	-5°562	5	m	...	...	+33°417	-57°722	2	...	...
...	24°124	-36°134	1.00	...	...	...	* 28°253	-40°506	1.00	44.8052	9.6	...	* 33°424	-35°711	0.90	...	...
...	24°140	-34°072	0.80	...	...	...	* 28°278	+26°377	1.10	43.7709	9.4	...	...	33°529	-25°179	1	...	...
...	24°246	-26°668	0.70	...	...	...	...	28°343	-40°458	5	m	...	...	33°670	+53°217	5	m	...
...	24°291	+56°442	0.75	...	...	...	...	28°397	+25°718	5	m	...	...	33°687	-27°854	5	...	...
...	+24°332	+33°690	5	m	...	...	...	+28°472	-13°694	5	m	...	...	+33°702	+26°835	2	...	...
...	24°373	-32°453	0.80	...	...	...	...	28°753	-14°347	0.90	...	...	...	33°757	+19°298	3	...	...
...	24°420	-32°510	5	...	...	...	...	28°760	+35°335	5	m	...	...	33°866	-26°168	5	...	...
†	24°437	-42°340	4	...	...	...	...	28°859	-27°541	3	...	...	...	33°866	-47°317	0.90	...	...
†	24°507	+33°810	3	...	...	...	...	29°180	+38°107	5	m	...	...	34°001	+0°032	5	m	...
791	...	...	...	...	...	851	...	...	...	...	...	911	...	...	...	...	...
†	+24°586	+22°856	4	m	...	...	+29°256	-25°730	0.95	44.8053	9.6	...	+34°078	+48°591	4	...	...
*	24°600	-2°024	1.00	43.7704	9.6	...	...	29°265	-4°852	0.90	...	...	* 34°090	-49°894	1.35	44.8055	9.0	
...	24°687	-30°280	0.70	...	...	...	...	29°288	+17°939	5	m	...	...	34°217	-26°417	5	...	...
...	24°691	+12°678	5	m	...	...	...	29°704	+43°444	5	...	...	...	34°298	+20°588	5	m	...
...	24°881	-25°581	5	m	...	...	...	29°744	-0°449	5	...	...	...	34°326	+43°302	5	...	...
...	+25°081	-49°853	5	...	...	...	...	+29°783	+21°004	5	m	...	...	+34°604	-54°972	0.90	...	...
...	25°163	+35°515	0.65	...	...	...	...	29°845	+34°667	0.80	...	...	...	* 34°720	-57°221	1.10	44.8056	9.5
*	25°176	-54°144	1.30	44.8051	9.2	...	...	29°923	+29°852	0.80	...	...	...	* 35°117	+9°021	1.70	43.7713	9.0
*	25°179	-16°031	1.10	44.8050	9.6	...	...	29°994	-0°819	3	...	...	...	35°121	+12°215	5	...	...
...	25°307	+6°412	0.70	...	...	...	...	29°995	-10°791	0.85	...	...	...	35°189	+56°236	5	...	...
801	...	...	...	...	...	861	...	...	...	...	...	921	...	...	...	...	...
*	+25°323	+12°468	1.10	43.7705	9.6	...	+29°997	+0°517	2	...	...	...	+35°586	-51°832	3	...	...
*	25°403	+58°045	1.10	42.7524	10.0	...	...	30°015	+40°345	5	m	...	...	35°595	+27°736	1	...	...
S*	25°583	+13°878	2.70	43.7706	7.6	...	...	30°045	-27°655	5	...	...	...	35°595	+11°394	5	...	...
...	25°584	-50°270	1	...	...	...	...	30°254	-28°029	5	...	...	...	35°686	+40°083	5	...	...
...	25°795	+16°666	0.75	...	...	...	...	30°292	+49°838	1	...	...	...	35°740	+16°600	5	m	...
...	+25°843	+44°093	0.70	...	...	...	...	+30°427	-2°513	4	...	...	...	+35°794	+40°283	4	...	...
...	25°896	+33°175	0.70	...	...	...	...	30°449	-43°263	1	...	...	...	35°822	-55°658	5	...	...
...	25°971	+38°683	5	...	...	...	...	* 30°499	+49°964	1.20	43.7710	9.4	...	35°867	-20°631	5	...	...
...	26°010	+25°479	0.70	...	...	...	...	30°600	+3°385	5	m	...	...	* 35°989	+14°545	0.95	...	...
...	26°039	-27°014	5	...	...	...	...	30°721	+47°383	5	...	...	...	* 36°318	-34°161	0.90	...	...
811	...	...	...	...	...	871	...	...	...	...	...	931	...	...	...	...	...
...	+26°062	-58°478	0.65	...	...	...	+30°857	+8°398	2	...	...	...	+36°414	-5°848	0.65	...	...
...	26°147	-35°721	5	...	...	...	...	30°910	+21°834	3	...	...	...	36°425	-40°248	0.65	...	...
...	26°160	+25°050	0.70	...	...	...	...	31°000	-1°949	5	...	...	...	36°431	+40°011	4	a	...
...	26°201	+38°616	0.75	...	...	...	...	* 31°004	-24°940	0.90	44.8054	9.6	...	36°544	-47°998	2	...	...
*	26°278	-21°176	1.00	...	...	...	...	31°282	+21°405	3	...	...	...	36°544	-47°998	2	...	...
...	+26°288	-16°045	4	...	...	...	...	+31°331	-4°262	0.90	...	...	...	36°587	+28°494	4	...	...
...	26°449	+8°182	0.70	...	...	...	...	31°354	-56°970	0.80	...	...	...	+36°751	-15°294	4	...	...
...	26°472	-23°014	0.70	...	...	...	...	31°354	-56°970	0.80	...	...	...	36°973	-2°898	5	m	...
...	26°472	-8°087	5	...	...	...	...	31°356	-32°685	2	...	...	...	37°041	-37°902	0.75	...	...
...	26°575	-8°148	5	...	...	...	...	* 31°482	+24°048	5	m	...	...	37°054	+28°455	4	...	...
821	...	...	...	...	...	881	...	...	...	...	...	941	...	...	...	...	...
*	+26°610	+39°712	1.20	43.7707	9.3	...	+31°838	+10°064	5	m	...	...	...	+37°131	-28°099	5	...	...
...	26°708	-12°157	5	...	...	...	...	31°944	+6°896	2	...	...	...	37°143	-16°253	4	...	...
...	26°751	-48°983	5	...	...	...	...	32°128	-49°980	5	...	...	...	37°163	+16°917	3	...	...
...	26°762	-15°139	5	...	...	...	...	* 32°160	+8°302	1.00	43.7712	9.5	...	* 37°315	+51°908	1.50	43.7714	8.9
...	26°886	-9°768	5	...	...	...	...	32°167	-33°981	3	...	...	...	37°322	-23°942	0.75	...	...
...	+26°924	+16°829	0.70	...	...	...	...	+32°206	+21°980	2	...	...	...	+37°366	+3°012	0.75	...	...
...	26°928	-23°953	4	32°239	-14°558	4	m	37°688	+8°669	4
...	27°140	-48°251	5	...	...	...	...	32°290	+2°346	3	...	...	...	37°795	-43°672	2	...	...
...	27°155	-16°085	4	...	...	...	...	* 32°380	+25°873	0.85	...	...	...	37°899	-18°375	3	...	...
†	27°196	-39°628	5	...	...	...	...	N 32°521	-7°423	4	...	...	...	38°301	+31°076	4	...	...
831	...	...	...	...	...	891	...	...	...	...	...	951	...	...	...	...	...
...	+27°328	+33°433	5	m	...	...	+32°530	+4°021	0.75	...	...	...	* 38°302	-41°518	0.90	44.8058	9.6	
...	27°493	+3°149	5	m	...	...	...	32°580	-15°063	4	...	...	...	38°416	-22°602	5	...	...
*	27°573	+8°064	1.20	43.7708	9.0	...	...	32°592	+27°680	5	m	...	...	38°425	-21°472	3	...	...
...	27°598	-24°466	0.70	...	...	...	...	32°642	+55°637	4	...	...	...	38°510	-11°114	2	...	...
...	27°628	-51°438	0.65	...	...	...	...	32°676	+37°457	5	...	...	...	38°727	-19°819	4	...	...
...	+27°746	-45°476	5	...	...	...	...	+32°746	-55°076	0.85	...	...	...	+38°739	-33°352	0.65	...	...
...	27°840	-16°015	4	...	...	...	...	32°781	+1°443	5	m	...	...	† 38°749	-19°651	5	...	...
...	28°094	+25°909	0.70	...	...	...	...	* 33°201	+45°757	1.00	...	...	...	38°764	-17°413	5	...	...
...	28°197	+48°261	0.75	...	...	...	...	33°348	+0°893	3	...	...	...	38°950	-19°801	5	...	...
*	28°199	-57°890	1.10	...	...	...	...	33°366	-28°153	4	...	...	...	39°092	+26°774	5	...	...

890. Partly obscured by fault.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
961-1020						1021-1080						1081-1140						
961	+39.405	+26.834	0.65	...	...	1021	+44.773	+0.166	0.75	...	...	1081	+48.194	-35.758	-5	...	...
*	39.801	+7.829	1.40	43.7716	9.0	...	44.794	+11.540	0.70	...	...	...	48.218	-38.372	-5	...	...
*	39.843	-5.975	1.10	44.8059	9.2	...	44.877	-16.626	0.65	...	...	*	48.258	+23.269	1.00	...	...
*	39.883	+23.650	1.00	43.7715	9.6	...	45.029	+44.388	-5	m	48.270	+5.750	-1	e	...
...	39.923	+52.960	-5	m	45.146	-47.968	-5	48.326	+28.684	-5	m	...
...	+39.926	+57.178	-5	* +45.211	-1.277	0.95	+48.583	+35.689	0.90
...	40.110	-22.631	-5	45.228	-10.895	-5	m	48.642	+31.501	-5	m	...
...	40.146	-9.141	0.80	45.304	+26.129	0.75	48.645	-18.546	-2
...	40.161	+6.388	-2	b	45.377	-29.835	0.90	48.655	-4.305	-5	e	...
...	40.275	-42.296	-5	45.389	-11.004	0.65	48.659	-6.740	0.90
971	+40.319	-50.751	1.20	44.8060	9.4	1031	+45.421	-32.976	-5	...	...	1091	+48.711	+18.623	0.70	...	...
*	40.364	+52.960	1.20	43.7717	9.6	...	45.441	-23.213	0.70	...	...	...	48.740	-24.163	-4	...	...
*	40.421	+7.543	1.00	43.7718	9.6	...	45.518	-7.358	-4	...	...	*	48.891	-51.574	1.70	44.8069	9.0
*	40.584	-16.909	1.00	...	...	*	45.540	-39.981	1.05	44.8063	9.5	...	48.894	+23.814	-5	e	...
...	40.618	-18.150	0.70	...	...	...	45.638	-17.063	-2	...	...	...	48.965	-0.809	0.80	...	...
...	+40.819	-25.720	0.75	...	...	...	+45.780	-40.546	-5	...	...	...	+48.977	-12.011	0.80	...	...
...	40.839	+38.006	0.70	...	...	...	45.904	-34.462	0.65	...	...	*	49.099	-11.983	0.90	...	...
...	40.981	-10.250	0.70	...	...	...	45.972	-10.533	0.70	...	...	*	49.201	-28.441	1.10	44.8070	9.3
...	41.201	+44.330	-5	...	...	...	45.991	-50.870	-5	...	...	...	49.230	-54.669	-5	...	...
...	41.209	-36.059	0.85	...	...	...	46.079	-14.944	0.85	...	...	†	49.420	+48.691	-4	...	...
981	+41.375	-5.235	0.80	...	...	1041	+46.159	-23.757	0.80	...	...	1101	+49.702	+6.988	-5	e	...
...	41.482	-30.272	-5	...	...	...	46.169	+56.237	-5	...	...	*	49.781	-18.187	1.60	44.8071	9.0
N	41.574	-46.831	0.65	...	...	...	46.183	-51.174	-5	...	...	...	49.925	+22.112	-5	m	...
...	41.604	-6.248	-5	...	...	...	46.203	+15.572	-5	m	...	...	49.957	-58.326	-5	...	...
*	41.712	-22.007	0.95	...	...	...	46.221	-9.454	-5	...	...	...	50.107	-18.418	-4	...	...
S*	+41.784	+27.808	2.20	43.7719	8.2	...	+46.286	+41.982	0.80	...	...	...	+50.153	+21.569	-5	...	...
...	41.803	+6.640	-5	m	...	...	46.316	-51.323	-4	...	...	...	50.209	+8.275	0.70	...	...
...	41.867	+43.070	-5	...	...	...	46.383	+41.541	-5	m	...	*	50.219	+45.723	1.90	43.7723	8.8
...	41.908	-44.368	-5	...	...	...	46.528	+40.686	0.90	...	...	...	50.518	+13.625	-5	...	...
...	41.993	-39.085	-1	...	...	...	46.571	-18.252	0.70	...	...	...	50.632	-10.979	-4	...	...
991	+42.049	+2.527	0.70	...	...	1051	+46.586	-13.164	0.65	...	...	1111	+50.632	-37.748	0.95	44.8072	9.6
...	42.088	-2.999	0.85	...	...	...	46.729	-47.730	0.95	44.8065	9.6	*	50.646	-1.806	0.90	...	...
...	42.573	-16.989	-5	...	...	...	46.733	+33.525	0.90	...	...	...	50.910	+2.365	-4	e	...
S*	42.583	-40.201	2.00	44.8061	8.6	...	46.789	-47.915	-4	...	...	...	50.963	-17.862	-4	...	...
...	42.690	+48.689	0.75	...	...	...	46.816	-36.603	-1	...	...	...	51.019	-1.657	-5	e	...
...	+42.708	-6.128	0.70	...	...	*	+46.887	-15.607	1.60	44.8064	9.0	*	+51.107	+57.052	1.15	43.7724	9.6
...	42.719	-47.071	0.70	...	...	...	46.975	+22.991	-5	m	...	...	51.115	-5.774	-2	...	...
...	42.852	-53.241	1.10	44.8062	9.6	*	47.000	+16.588	1.00	...	...	...	51.212	-28.263	-4	...	...
...	43.053	+6.476	-5	m	...	n*	47.094	-19.571	1.60	44.8066	8.9	...	51.376	-36.573	-1	...	...
...	43.088	+5.409	0.90	...	...	...	47.158	-25.801	0.80	...	...	...	51.539	-33.433	-2	...	...
1001	+43.101	+24.520	-4	m	...	1061	+47.190	+19.287	-5	m	...	1121	+51.700	-28.456	-2	...	...
...	43.113	-2.049	-5	m	...	*	47.258	-43.515	1.10	44.8067	9.6	...	51.702	+41.701	-5	...	...
...	43.270	+6.698	-5	m	...	...	47.291	+38.003	0.75	...	...	†	51.791	-14.712	-3	...	...
...	43.337	-13.867	0.70	...	...	...	47.322	+15.002	-5	...	...	...	51.995	-10.659	-4	...	...
*	43.401	+34.298	1.50	43.7720	8.8	N	47.356	-20.113	0.80	m	...	...	52.085	-12.492	-5	...	...
...	+43.496	+0.537	-5	m	...	n*	+47.358	-19.600	1.05	44.8066	8.9	N	+52.228	+44.740	-4	...	...
...	43.777	-16.496	-5	...	...	...	47.387	+11.072	0.85	...	...	*	52.398	-24.091	0.90	44.8073	9.6
†	44.000	-28.807	-4	m	...	...	47.387	+11.072	0.85	...	...	...	52.500	-9.906	-1	...	...
...	44.065	-23.872	0.75	...	...	...	47.536	-17.821	-1	...	...	...	52.540	+42.148	-4	...	...
...	44.067	+24.536	0.70	...	...	...	47.603	+4.839	-5	m	...	...	52.578	+36.492	0.90	...	...
1011	+44.182	-17.904	0.80	...	...	1071	+47.645	+11.640	1.10	43.7722	9.4	1131	+52.665	-21.109	-4	...	...
...	44.296	-11.901	0.70	...	...	*	47.695	-30.983	0.85	...	...	...	52.737	+17.426	-2	...	...
*	44.344	+32.230	1.30	43.7721	9.0	...	47.884	+4.719	-5	m	...	...	52.766	-13.605	0.65	...	...
†	44.379	-27.661	1.05	...	...	...	47.900	-30.065	-5	...	...	...	52.844	-16.651	-5	e	...
...	44.519	+0.010	-5	m	...	...	47.908	+37.750	-5	m	...	*	52.999	-39.290	0.95	44.8074	9.6
...	+44.609	-19.174	-5	...	...	...	+48.035	-36.730	-5	m	...	...	+53.036	+9.699	-3	...	...
...	44.632	+54.388	-5	...	...	...	48.061	-24.197	0.70	...	...	*	53.408	-21.618	0.95	...	...
...	44.645	-6.625	0.70	...	...	...	48.102	+7.577	0.70	...	...	...	53.638	-0.470	-4	e	...
...	44.701	-38.584	-4	...	...	...	48.114	-10.548	-5	m	...	...	53.887	+0.147	0.85	...	...
...	44.765	-30.006	-5	...	...	...	48.161	+4.068	-4	e	...	...	53.910	-17.402	-4	...	...

983. Mass. 45° 101, two stars.
1059, 1066. C.P.D., probably mass.

1065. 45° 101, 1st and 2nd images obscured by 2nd and 3rd of 1066.
1126. Image faulty; 2nd image measured and corrected.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1141-1160						1161-1180						1181-1188					
1141	+54.179	-15.838	0.70	o	...	1161	+56.191	+51.735	-5	o	...	1181	+58.472	-26.262	0.95	o	...
...	54.235	-51.207	-4	...	...	...	56.262	-44.498	-5	...	...	...	58.592	-14.581	-4	...	...
...	54.283	-45.139	0.80	...	...	...	56.321	-20.179	-3	...	...	...	58.820	-38.017	-5	...	...
†	54.472	-27.691	-3	...	...	...	56.349	+29.087	0.80	...	...	...	58.855	-25.317	-4	...	...
...	54.506	-58.371	0.65	...	...	...	56.504	-44.693	-4	...	...	...	58.863	+2.676	-4	...	...
...	+54.552	+36.176	-2	...	...	...	+56.715	+48.421	1.40	43.7726	9.4	...	+58.867	-6.770	0.80	...	...
...	54.557	-15.454	-5	...	...	...	56.748	-43.857	-3	...	...	...	59.095	-57.044	-5	...	...
...	54.630	-17.022	-5	...	...	...	56.767	-30.876	1.00	...	...	...	59.304	-2.561	-1	...	...
...	54.807	+16.870	0.70	...	...	...	57.046	+24.317	-5	...	...	...	...	...	...	...	...
...	54.834	-24.432	-4	...	...	...	57.047	-57.578	-5	...	...	...	...	...	...	...	...
1151	+55.004	-22.618	-4	...	...	1171	+57.224	+20.733	0.75	...	...	...	...	...	...	...	...
...	55.320	+24.031	-4	...	...	...	57.358	-17.645	-3	...	...	...	...	...	...	...	...
...	55.526	+25.337	0.85	...	...	...	57.498	+10.709	0.65	...	...	...	...	...	...	...	...
...	55.617	+14.524	-5	e	...	...	57.537	-15.543	-5	...	...	...	...	...	...	...	...
S *	55.646	+37.258	2.20	43.7725	8.4	...	58.169	+52.335	-5	...	...	...	...	...	...	...	...
...	+55.691	+3.245	-1	...	...	...	+58.274	-15.750	-5	...	...	...	...	...	...	...	...
...	55.810	+44.147	-4	...	...	...	58.346	-4.068	-5	...	...	...	...	...	...	...	...
...	55.844	-40.001	-5	...	...	...	58.438	+16.424	1.05	43.7727	9.5	...	...	...	...	...	...
...	55.937	+9.624	-5	e	...	...	58.454	-13.804	1.20	44.8077	9.6	...	...	...	...	...	...
*	56.008	-25.659	1.20	44.8075	9.4	...	58.465	-47.604	-2	...	...	...	...	...	...	...	...

1-30						31-60						61-90						
I	-60.050	-51.543	-5	o	...	31	-58.438	+6.842	-5	E	...	61	-55.180	+21.584	0.85	o	...	
...	60.043	+7.376	0.65	...	...	...	57.974	+8.144	0.80	...	...	...	55.147	-9.950	0.65	...	...
...	60.012	-36.821	-5	...	...	...	57.870	-28.591	1.10	44.8070	9.3	...	55.056	-10.917	-5	...	...
...	59.997	-26.017	0.70	...	...	...	57.833	+13.507	-4	...	...	...	54.806	-24.146	0.95	44.8073	9.6
n *	59.986	-19.805	1.00	44.8066	8.9	...	57.600	-18.336	1.60	44.8071	9.0	...	54.763	-13.656	-1	...	...
...	-59.972	+48.519	-5	...	...	...	57.484	-51.725	1.60	44.8069	9.0	...	-54.637	-21.148	-5	...	...
...	59.890	+3.877	-5	E	...	...	57.480	+41.592	-5	...	...	...	54.533	+56.333	-5	...	...
...	59.856	-18.029	-5	...	...	...	57.281	-18.543	-5	...	...	...	54.484	+36.168	-1	...	...
...	59.827	+5.567	-5	E	...	...	57.239	-1.915	0.80	...	...	...	54.321	+0.447	-4	E	...
...	59.776	+18.435	-4	...	...	...	57.107	+2.274	-5	E	...	...	54.043	+0.131	0.85	...	...
II	-59.765	-47.957	-4	...	...	41	-57.048	+44.660	-5	...	...	...	-53.856	+18.817	-5	M	...
...	59.733	+23.637	-5	E	...	...	56.970	-11.087	-5	...	...	...	53.774	-2.167	-5	...	...
...	59.680	-48.109	-4	...	...	...	56.865	-1.755	-5	E	...	...	53.754	-39.312	1.00	44.8074	9.6
*	59.340	-43.726	1.10	44.8067	9.6	...	56.645	+42.076	-5	...	...	...	53.639	+16.875	0.75	...	...
...	59.291	-31.177	0.65	...	...	...	56.639	-5.870	-1	...	...	...	53.552	+6.568	-5	M	...
...	-59.153	-4.484	-5	E	...	...	-56.438	+36.422	0.90	...	...	...	-53.508	-17.406	-5	...	...
...	59.133	-24.390	-1	...	...	...	56.425	-17.966	-4	...	...	...	53.436	+44.159	-4	...	...
...	59.107	-30.269	-5	...	...	...	56.216	-58.429	-5	...	...	...	53.412	+37.285	2.20	43.7725	8.4
*	59.085	+45.571	1.70	43.7723	8.8	...	56.167	-37.842	1.00	44.8072	9.6	...	53.347	+24.051	-4	...	...
...	59.060	-6.916	0.90	...	...	...	55.868	-28.342	-5	...	...	...	53.306	+51.775	-4	...	...
21	-58.928	-0.978	0.80	...	...	51	-55.713	+17.370	-1	...	...	...	-53.278	-15.840	0.70	...	...
...	58.713	-18.729	-5	55.708	-14.786	0.65	†	53.182	+25.369	0.90
...	58.639	-35.939	-5	55.629	-10.723	-5	52.918	-15.442	-5
...	58.591	-12.181	0.70	55.572	+16.614	-5	E	52.872	+29.045	-5
*	58.541	+56.928	1.10	43.7724	9.6	...	55.487	-12.556	-5	52.799	-17.007	-4
...	-58.521	-38.556	-5	-55.447	-36.643	-1	-52.769	+14.551	-4	E	...
...	58.510	+18.338	-5	M	55.381	-28.519	-4	52.685	+48.466	1.50	43.7726	9.4
...	58.478	-12.148	0.90	55.378	-33.497	-3	52.614	-27.668	0.75
...	58.470	-24.322	-5	55.320	+2.494	-5	M	52.465	+29.136	0.90
...	58.438	+21.436	-4	†	55.186	+9.640	-4	52.367	-24.403	-5

NM measured from 1, 112, 247, 390, 562, 685, 786, 921, 1026, 1132, 1272, 1382.
ES " " " 61, 185, 315, 483, 638, 730, 861, 970, 1069, 1194, 1337, 1433.
5. C.P.D. combines with a star beyond the range of this plate.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-52.346	+ 3.285	0.65	...	...	151	-47.904	-52.039	- 5	...	...	211	-42.827	- 2.516	0.70	...	...
...	52.307	+ 9.659	- 5	E	...	...	47.894	+21.517	1.05	43.7728	9.6	...	42.814	+ 9.646	1.10	43.7730	9.4
...	52.289	-45.121	0.80	...	...	...	47.760	+ 4.207	0.70	...	...	...	42.803	- 6.994	- 3	...	...
...	52.264	-22.584	- 4	...	...	...	47.749	+ 2.114	- 5	M	...	...	42.787	+20.810	0.90	...	...
...	52.146	-51.181	- 5	...	...	...	47.717	+ 5.919	- 4	...	...	...	42.650	-45.731	1.00	...	...
...	-52.046	+ 0.124	- 5	M	...	...	-47.599	+ 5.778	- 5	M	...	...	-42.589	- 0.450	- 2	...	...
...	51.890	+33.531	- 5	M	...	...	47.263	+56.925	1.15	43.7729	9.4	...	42.567	-14.225	- 4	...	...
...	51.673	-58.340	0.75	...	...	...	47.120	- 6.194	- 5	...	...	...	42.562	+24.880	1.80	43.7731	8.8
...	51.625	+24.390	- 3	...	...	...	47.127	- 0.477	- 5	M	...	...	42.504	+ 6.788	- 3	...	...
...	51.490	+ 1.805	- 5	M	...	...	47.109	-56.862	- 3	...	...	...	42.484	-19.299	0.90	44.8081	9.6
101	-51.346	+20.810	0.80	...	...	161	-47.088	+47.988	0.65	...	...	221	-42.479	-20.300	- 5	M	...
...	51.311	-19.404	- 5	...	...	...	47.019	- 6.580	0.70	...	...	...	42.472	-48.448	- 4	...	...
*	51.165	-25.591	1.20	44.8075	9.4	...	46.843	-32.561	- 5	...	...	...	42.425	-42.703	1.05	44.8080	9.6
...	51.016	-20.108	- 1	...	...	...	46.666	- 0.789	0.65	...	...	...	42.408	- 8.929	- 4	...	...
...	51.015	-42.664	- 5	...	...	...	46.589	+13.612	- 3	...	...	...	42.352	-44.599	1.80	44.8079	8.9
...	-50.913	+ 4.288	- 5	M	...	...	-46.507	+ 8.609	- 5	M	...	...	-42.108	-22.348	- 5	...	...
...	50.892	-39.941	- 5	...	...	...	46.490	-12.545	- 2	...	...	...	42.023	- 4.465	- 5	M	...
...	50.808	+32.946	- 5	M	...	...	46.447	-28.902	- 5	...	...	...	41.920	-58.932	- 3	...	...
...	50.767	+10.796	0.65	...	...	...	46.442	+41.316	- 3	...	...	...	41.869	+26.424	- 2	...	...
...	50.332	-44.421	- 5	...	...	...	46.347	+26.124	0.70	...	...	...	41.725	-57.937	- 4	...	...
111	-50.241	-30.796	1.00	...	...	171	-45.850	+ 2.401	- 5	M	...	231	-41.710	-36.359	0.90	...	...
...	50.082	-44.596	- 4	...	...	...	45.844	+33.458	- 5	M	...	...	41.588	+11.390	0.80	...	...
...	50.035	-17.550	0.75	...	...	...	45.775	+13.954	- 5	...	...	S *	41.530	- 8.211	1.90	44.8083	8.7
...	49.972	+16.537	1.00	43.7727	9.5	...	45.757	+49.611	- 2	...	...	...	41.372	-55.583	1.05	44.8082	9.6
...	49.927	-15.441	- 3	...	...	...	45.693	+ 6.585	0.70	...	...	...	41.254	- 2.579	- 5	M	...
...	-49.853	-43.769	- 1	...	...	...	-45.681	-22.692	- 5	...	...	...	-41.203	-20.906	- 4	...	...
...	49.833	+ 8.959	- 5	M	...	...	45.671	-17.506	- 1	...	...	...	41.121	-32.080	- 3	...	...
...	49.800	-35.884	- 5	...	...	...	45.667	-27.737	- 5	...	...	...	40.940	-10.837	- 5	...	...
...	49.609	-29.230	- 4	...	...	...	45.637	-36.515	0.70	...	...	...	40.916	-22.326	- 2	...	...
...	49.467	- 3.958	- 4	...	...	...	45.632	-19.901	- 5	...	...	...	40.737	+35.211	0.90	...	...
121	-49.270	- 0.744	- 5	M	...	181	-45.632	-53.123	- 4	...	...	241	-40.562	-44.361	- 1	...	...
...	49.186	-15.624	- 4	...	...	...	45.592	+14.522	- 5	M	...	...	40.555	+26.725	- 5	M	...
...	49.151	+ 2.811	- 1	...	...	...	45.351	-15.114	- 5	M	...	...	40.474	- 9.207	0.65	...	...
...	49.148	-57.470	- 4	...	...	...	45.260	-24.980	1.00	...	...	...	40.441	-25.835	- 3	...	...
*	49.072	-13.680	1.00	44.8077	9.6	...	45.193	-38.290	- 1	...	...	...	40.367	-58.090	- 4	...	...
...	-49.015	-38.988	- 5	...	...	...	-45.153	-15.229	- 4	...	...	...	-40.365	-36.852	- 3	...	...
...	48.949	-32.167	- 5	...	...	...	45.150	+48.848	- 3	...	...	...	40.166	-31.762	- 1	...	...
...	48.931	+27.623	- 5	M	...	...	45.083	-27.459	- 5	...	...	...	40.161	-31.723	0.95	44.8084	9.6
...	48.914	-14.447	- 2	...	...	...	45.007	-38.184	- 5	M	...	...	40.100	-17.428	- 5	M	...
*	48.873	- 6.642	0.95	...	...	...	44.994	-22.885	- 4	...	...	...	40.082	+ 3.532	- 5	M	...
131	-48.755	+24.467	0.90	...	...	191	-44.963	-23.275	- 5	...	...	251	-40.017	- 0.023	- 5	M	...
...	48.684	+26.513	0.65	...	...	...	44.916	+16.330	- 2	...	...	...	39.931	- 0.657	0.75	...	...
...	48.670	+42.950	0.95	...	...	...	44.881	-17.942	- 5	...	...	...	39.898	- 6.559	- 4	...	...
*	48.665	-26.123	1.00	...	...	...	44.880	- 8.282	0.95	...	...	...	39.896	+20.912	0.70	...	...
...	48.651	+ 8.500	0.70	...	...	...	44.857	-37.960	- 4	...	...	...	39.875	+20.185	0.80	...	...
...	-48.556	+36.384	- 5	M	...	...	-44.814	+46.084	0.65	...	...	...	-39.808	-52.822	- 5	...	...
...	48.554	- 2.416	0.75	...	...	...	44.454	-25.379	- 5	...	...	...	39.789	-39.294	0.75	...	...
...	48.320	-25.174	0.70	...	...	...	44.402	-15.733	- 5	...	...	...	39.640	-21.437	1.60	44.8085	9.0
...	48.261	+37.159	- 5	M	...	...	43.893	-14.240	- 4	...	...	...	39.571	-22.242	- 5	...	...
...	48.250	- 7.905	0.75	...	...	...	43.780	-27.172	0.80	...	...	...	39.565	- 6.943	0.70	...	...
141	-48.233	+56.171	- 5	...	...	201	-43.745	-12.312	1.10	44.8078	9.5	261	-39.500	-56.225	- 5	...	...
...	48.151	+ 4.995	- 5	M	...	...	43.703	- 6.573	- 5	...	...	...	39.449	+ 3.179	- 5	M	...
...	48.052	+ 4.116	- 5	M	...	...	43.552	-30.555	0.90	...	...	...	39.379	-51.858	- 5	...	...
*	48.035	-12.284	1.00	...	...	...	43.504	-37.394	0.80	...	...	...	39.320	+34.007	0.85	...	...
...	48.026	-47.459	0.65	...	...	...	43.267	+14.807	- 4	M	...	...	39.273	-23.574	- 5	...	...
†	-48.016	+25.264	0.80	...	...	...	-43.258	+15.218	- 4	M	...	...	-39.139	-39.280	- 5	M	...
...	47.995	+10.849	0.70	...	...	...	43.127	-34.068	0.65	...	...	...	39.112	- 8.280	- 5	M	...
...	47.970	- 1.465	- 5	M	...	...	43.076	- 9.783	- 1	...	...	...	39.087	-58.025	1.05	44.8086	0.6
...	47.951	-37.861	- 4	...	...	...	42.970	-27.097	- 5	...	...	...	39.066	+14.381	- 5	M	...
...	47.928	-41.640	- 5	...	...	...	42.958	-21.594	- 5	M	...	...	39.050	-43.279	1.60	44.8087	0.0

231. Mass. 45° 101. two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
271-330						331-390						391-450						
271	-39°045	-15°985	-5	...	...	331	-33°970	-50°109	-4	...	...	391	-30°139	+56°955	-1	...	...
...	38°989	+51°049	0.95	33°846	+21°872	-5	M	30°121	+31°499	-3
...	38°840	+33°699	-5	M	33°841	+59°800	0.90	30°102	+49°154	-5
...	38°448	-9°016	-4	33°831	-13°880	-3	30°093	+0°003	0.90	F	...
...	38°288	-1°921	-5	33°797	-30°813	0.70	29°985	+31°547	0.65
...	-38°190	-36°842	-4	-33°704	-7°576	0.65	-29°984	+51°923	-5
...	38°184	+9°653	0.75	33°634	+19°445	0.80	29°948	+56°931	0.75
*	38°136	-55°536	1.60	44.8088	8.9	...	33°601	+2°345	-5	M	29°887	+50°322	0.80
...	38°135	-7°580	-5	M	33°582	-5°321	-5	M	29°766	+39°140	-3
*	37°987	-20°932	1.00	44.8089	9.6	...	33°505	+57°862	-5	29°760	-52°704	-4
281	-37°951	+8°846	0.80	...	...	341	-33°400	+20°099	-5	M	...	401	-29°584	+11°068	-5	M	...
...	37°951	-7°782	-5	...	...	...	33°384	+51°709	0.75	...	...	...	29°573	-19°250	0.70	...	...
...	37°950	-11°708	-5	M	...	...	33°346	+11°171	-5	M	...	...	29°556	+3°194	-5	M	...
...	37°806	+6°821	0.75	...	...	†	33°340	+60°176	0.65	...	...	...	29°508	-5°664	0.70	...	...
...	37°761	-42°506	-5	...	...	...	33°335	+47°051	-5	M	...	...	29°462	-0°601	-4	...	...
...	-37°711	+19°704	0.65	...	...	...	-33°285	-28°261	-3	...	...	...	-29°412	-33°340	-1	...	...
...	37°691	+2°648	-5	M	...	...	33°278	-7°086	0.80	...	...	...	29°408	-38°277	-5	...	...
...	37°527	-1°280	-5	...	...	...	33°203	-16°431	-4	...	...	...	29°376	-27°807	0.80	...	...
...	37°479	-30°763	-5	...	...	...	33°062	+17°126	-3	...	...	...	29°371	-1°217	0.75	...	...
...	37°233	-6°640	-5	M	...	*	33°029	+23°928	1.05	43.7732	9.6	...	29°365	-47°303	-4	...	...
291	-36°869	+26°411	0.70	...	...	351	-32°820	-33°979	0.90	...	...	411	-29°353	-19°463	-5	...	...
...	36°868	-9°975	-5	M	...	...	32°783	-37°869	-4	...	...	...	29°273	+44°270	-5	...	...
...	36°706	+2°081	0.70	...	...	...	32°766	-26°025	-4	...	...	...	29°205	-19°195	-4	...	...
...	36°440	-18°292	-5	...	...	...	32°756	-0°104	-5	M	...	...	29°185	-20°124	-5	...	...
...	36°369	+34°620	0.85	...	...	†	32°598	-24°520	-5	...	...	*	29°174	+34°521	1.00	...	...
†	-36°181	-14°548	-5	...	...	N*	-32°405	+58°147	1.60	42.7547	9.8	...	-29°161	-0°481	-5	...	...
...	36°138	-50°169	-5	...	...	...	32°269	+7°335	-3	...	...	...	29°147	+9°003	-5	M	...
...	36°055	+50°325	-5	M	...	...	32°040	+42°699	-3	...	...	...	29°138	-53°007	1.00	44.8095	9.6
...	36°053	-32°391	-5	...	...	...	32°038	+52°911	-3	...	...	...	29°095	+10°533	-5	M	...
*	35°952	-13°541	1.00	...	...	...	31°984	+56°536	-3	...	...	...	29°085	+13°454	-5	M	...
301	-35°829	+32°350	-5	M	...	361	-31°910	-46°657	-3	...	...	421	-29°073	+55°722	1.40	43.7733	9.3
...	35°734	-48°004	-5	...	...	...	31°823	-12°061	-5	M	...	*	28°951	-58°743	1.00	...	...
...	35°691	+58°134	-5	M	...	...	31°774	-17°489	-3	...	...	...	28°886	-38°531	-5	...	...
...	35°682	-16°481	-1	...	...	...	31°691	+7°697	-5	M	...	...	28°858	-34°707	-4	M	...
...	35°680	-33°801	-4	...	...	*	31°611	-5°851	0.85	...	...	...	28°688	-18°987	-5	...	...
...	-35°672	-56°917	-4	...	...	...	-31°421	+54°117	-5	...	...	...	-28°602	+15°908	0.70	...	...
...	35°610	-26°721	-2	...	...	...	31°354	-40°125	-4	...	...	...	28°601	-42°742	-5	...	...
...	35°550	-4°455	-5	M	...	*	31°350	-18°321	1.10	44.8091	9.2	*	28°563	-48°639	1.10	44.8096	9.6	
...	35°550	-55°467	-5	...	...	...	31°331	+32°290	0.80	...	...	...	28°543	+10°503	-5	M	...
...	35°469	+35°843	0.70	...	...	*	31°285	-13°394	1.00	44.8092	9.6	...	28°523	+37°248	0.65	...	...
311	-35°408	-6°187	-5	M	...	371	-31°254	-10°472	1.00	44.8093	9.6	431	-28°354	-55°574	-3	...	...
...	35°393	-41°491	-5	...	...	...	31°191	+53°679	-5	...	...	*	28°274	+17°890	1.10	43.7734	9.2
*	35°327	-7°608	0.95	...	...	...	31°119	-32°229	0.65	...	...	...	28°253	+39°335	-5	M	...
...	35°318	-4°287	-5	M	...	...	31°097	-19°947	-4	...	...	...	28°192	-31°498	-3	...	...
†	35°199	-30°191	-1	...	...	...	31°042	+31°622	-5	M	...	...	28°134	-42°302	-5	...	...
...	-35°089	-1°389	-4	...	...	*	-31°023	-51°029	1.60	44.8090	9.2	...	-27°927	+19°183	0.85	...	...
...	35°044	-10°265	-4	...	...	...	30°970	-44°193	-4	...	...	*	27°911	+31°768	1.00	43.7735	9.6
...	34°954	+55°719	0.65	...	...	...	30°965	+12°239	-2	...	...	...	27°900	-8°710	0.70	...	...
*	34°771	+34°849	1.00	...	...	...	30°896	-47°053	0.90	...	...	†	27°818	-29°485	-5	...	...
...	34°676	-51°958	0.65	...	...	...	30°895	-0°052	-3	...	...	*	27°746	-16°963	1.80	44.8098	8.8
321	-34°591	-36°845	0.90	...	...	381	-30°876	-32°754	-1	...	...	441	-27°724	+22°819	-3	...	...
*	34°565	-9°016	-5	...	...	...	30°875	-17°360	-5	...	...	...	27°685	-57°068	0.85	...	...
...	34°520	-13°584	-4	...	...	...	30°818	+8°071	-5	M	...	*	27°555	-40°061	1.00	44.8097	9.3
...	34°475	-5°050	0.65	...	...	*	30°682	-6°917	0.90	...	...	...	27°537	-20°012	0.80	...	...
...	34°261	-19°994	0.80	...	...	...	30°665	-45°831	0.85	...	...	...	27°487	-20°038	0.70	...	...
...	-34°234	-19°755	0.90	...	...	...	-30°592	-28°722	-5	...	...	...	-27°385	+49°312	-4	...	...
...	34°075	+5°539	-4	M	...	...	30°556	-15°740	-5	...	...	...	27°331	-5°717	0.75	...	...
...	34°047	-8°278	0.65	...	...	...	30°398	+0°473	-2	...	...	...	27°276	-7°500	-5	M	...
...	34°011	-14°362	-2	...	...	†	30°375	-43°675	2.60	44.8094	8.0	†	27°117	+30°337	0.90	...	...
...	33°975	-11°861	-4	...	...	...	30°163	-45°279	0.65	...	...	...	27°016	-8°711	-5	M	...

356. Mass. 43° 101, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-510						511-570						571-630					
451	-27°014	+15°831	-5	M	...	511	-23°566	-44°286	-5	...	...	571	-19°466	+5°229	0.80	...	...
...	27°007	+21°363	-5	M	...	...	23°545	-17°719	0.80	...	...	...	19°406	-11°197	-5	...	...
...	26°985	+0°560	-5	M	...	S*	23°540	-23°729	1.40	44.8103	9.0	...	19°379	-14°243	0.70	...	...
...	26°982	+21°470	-5	...	...	...	23°511	-15°132	0.80	...	...	...	19°342	+50°479	-5	M	...
...	26°981	-22°926	0.80	...	...	...	23°432	+16°025	-5	M	...	...	19°183	-9°377	-5	M	...
...	-26°962	-40°252	-5	...	...	...	-23°420	-29°629	-4	...	...	...	-19°071	-30°578	-5	...	...
*	26°937	+10°058	1.00	43.7736	9.5	...	23°416	+56°363	-3	...	...	...	18°908	-2°742	-5	M	...
...	26°925	+6°689	-5	M	...	...	23°400	+47°950	-5	M	...	...	18°860	+43°693	-5	M	...
...	26°918	+33°562	-5	...	...	...	23°393	+3°281	-5	M	...	...	18°851	+55°491	0.75	...	...
...	26°834	-4°085	-5	M	...	...	23°351	+54°722	-5	M	...	...	18°653	+18°027	-4	M	...
461	-26°753	+2°679	-5	M	...	521	-23°304	+18°960	-5	M	...	581	-18°559	+32°060	0.70	...	...
...	26°736	+1°762	-5	M	...	...	23°192	-13°542	-5	...	...	...	18°525	-22°096	-5	...	...
...	26°707	+36°818	0.70	...	...	...	23°176	-32°036	-3	...	...	...	18°511	-12°722	-5	M	...
...	26°673	+54°296	-4	...	...	...	23°162	-36°994	0.95	...	...	...	18°502	+59°199	0.70	...	...
...	26°664	-9°480	-4	...	...	...	23°147	-42°034	0.65	...	...	...	18°494	-6°487	-5	M	...
*	-26°644	+36°178	2.80	43.7737	7.6	...	-23°109	+59°665	-5	M	...	...	-18°423	-44°409	1.00	...	...
*	26°625	-12°242	1.05	44.8099	9.3	...	22°914	-6°729	-5	...	...	...	18°416	+14°918	-5	M	...
...	26°567	-36°204	0.65	...	...	...	22°860	+49°937	-4	...	...	...	18°385	+5°794	0.80	...	...
...	26°446	-17°489	-5	...	...	...	22°801	-30°986	0.90	...	...	...	18°320	+52°293	-5	...	...
...	26°440	-45°884	-5	...	...	*	22°800	-1°178	0.90	...	...	...	18°258	-1°348	0.65	...	...
471	-26°428	-6°922	-5	M	...	531	-22°774	-4°660	-2	...	...	591	-18°251	+48°594	-3	...	...
...	26°358	+31°887	-5	M	...	S†	22°745	-49°590	2.00	44.8104	8.4	...	18°237	-22°687	-5	M	...
...	26°354	+41°233	-5	...	...	...	22°638	+47°645	-3	...	...	...	18°232	-26°679	0.65	...	...
...	26°240	-13°422	0.65	...	...	...	22°460	+57°880	0.65	...	...	...	18°043	+3°476	-5	M	...
...	26°018	+52°933	-5	...	...	...	22°437	-28°241	-1	...	...	...	18°011	-30°128	-5	M	...
...	-25°955	-3°638	0.85	...	...	...	-22°369	+12°054	-3	...	...	...	-17°808	+41°322	-5	M	...
...	25°953	+40°570	0.80	...	...	...	22°332	+42°089	0.75	...	...	†	17°781	+10°337	0.65	...	...
...	25°904	+12°660	-5	M	...	...	22°112	-47°649	0.65	...	...	*	17°756	-54°401	1.10	44.8105	9.2
...	25°822	-21°146	-5	...	...	...	22°078	+57°425	-4	...	...	...	17°739	-45°474	-2	...	...
...	25°696	+4°315	-5	M	...	...	21°942	-42°610	-2	...	...	...	17°648	+16°401	-5	M	...
481	-25°399	-1°062	1.00	...	...	541	-21°843	-32°453	0.70	...	...	601	-17°644	-28°609	0.75	...	...
*	25°338	-51°445	1.20	44.8100	9.4	...	21°671	+20°768	-3	...	...	...	17°620	-18°186	0.65	...	...
†	25°264	+8°936	-4	...	...	...	21°640	+8°289	-5	M	...	...	17°602	+57°793	0.90	...	...
...	25°230	-33°435	-5	...	...	...	21°440	-41°150	-2	...	...	*	17°535	-16°971	1.10	44.8107	9.2
...	25°141	+10°150	0.85	...	...	...	21°436	-17°504	-3	...	...	...	17°451	+38°988	0.90	...	...
...	-25°104	+15°858	-5	M	...	...	-21°354	-12°127	-5	...	...	...	-17°451	+30°151	-4	M	...
...	25°099	+14°263	0.75	...	...	...	21°325	-15°824	-2	...	...	...	17°419	-42°144	-5	...	...
...	25°093	-37°997	-5	...	...	...	21°302	+54°349	-5	M	...	...	17°355	-18°441	1.10	44.8108	9.5
N	25°073	-58°620	0.85	...	...	...	21°153	-41°771	0.90	...	...	...	17°299	-53°875	1.00	...	...
...	25°008	-32°716	-5	...	...	...	21°091	-58°797	0.95	...	...	N*	17°293	-56°384	2.40	44.8106	9.5
491	-24°979	+4°200	-3	A	...	551	-21°090	+59°410	-4	...	...	611	-17°197	-11°597	-2	...	...
...	24°870	+13°830	-5	M	...	...	21°017	+10°724	-4	M	...	...	17°145	-41°634	-5	...	...
...	24°804	-39°198	-5	...	...	...	21°015	-20°904	-5	...	...	...	17°102	-16°916	-1	...	...
...	24°725	-24°317	-5	...	...	...	20°999	-40°613	-5	...	...	...	17°085	+9°228	-5	M	...
...	24°641	+4°401	-4	M	...	...	20°981	-29°665	0.75	...	...	†	17°050	+45°175	0.65	...	...
*	-24°532	-54°724	2.00	44.8101	8.6	*	-20°938	-23°601	1.00	...	...	...	-16°950	+23°541	0.70	...	...
...	24°487	+2°858	-2	...	...	...	20°897	+12°700	-5	M	...	...	16°930	+6°562	0.70	...	...
...	24°378	-38°342	-5	...	...	...	20°717	-55°362	-2	...	...	...	16°916	-26°534	0.65	...	...
...	24°337	-1°753	-5	M	...	...	-20°645	+58°213	-4	...	...	S*	16°787	+50°782	3.00	43.7739	7.3
...	24°320	+28°906	-3	A	...	...	20°630	+57°673	-3	...	...	...	16°538	-3°484	0.70	...	...
501	-24°232	+23°940	0.85	...	...	561	-20°381	-5°882	-4	...	...	621	-16°462	-41°806	0.65	...	...
...	24°170	-8°519	-5	M	...	...	20°206	-21°046	-4	...	...	...	16°411	+24°773	0.70	...	...
...	24°118	+0°237	0.85	α	...	...	20°147	-14°087	0.75	...	...	...	16°383	+26°160	0.70	...	...
...	24°112	-33°680	0.75	...	...	...	20°083	-27°612	-1	...	...	...	16°292	+42°068	0.70	...	...
...	23°927	-44°398	-3	...	...	...	20°062	-10°941	0.75	...	...	*	16°240	-16°315	1.00	...	...
*	-23°897	+13°323	1.05	43.7738	9.6	...	-19°986	+24°275	0.85	...	...	...	-16°188	-32°253	-5	...	...
...	23°886	+18°575	-5	M	...	...	19°876	+47°479	-5	M	...	...	16°104	-12°672	-5	M	...
...	23°873	-56°122	-5	...	...	*	19°775	-35°159	1.05	...	...	...	16°005	-34°591	1.10	44.8110	9.3
...	23°823	-47°573	-5	...	...	...	19°764	+52°977	-5	M	...	*	15°931	-41°889	1.40	44.8109	9.5
...	23°575	+1°337	0.85	...	...	...	19°469	+34°277	-2	A	...	...	15°930	-20°048	0.90	...	...

489. Mass. 45° 101, two stars.

610. Var. L=6.5-12.0.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-690						691-750						751-810					
631	-15.715	+17.930	-4	...	...	691	-8.974	-26.479	0.75	...	...	751	-3.654	-4.386	-5	M m	...
...	15.687	-16.424	0.70	...	...	...	8.959	-31.375	-4	M	...	...	3.556	+31.798	-4	m	...
...	15.668	-0.988	-5	M	...	...	8.942	-6.492	0.65	...	...	...	3.484	+11.502	0.65	...	...
...	15.591	-38.224	0.65	...	...	...	8.912	-1.624	0.65	...	...	...	3.483	-44.117	-5	M	...
...	15.493	-28.446	0.85	...	...	...	8.456	+0.850	-5	M	...	...	3.471	-32.385	-3	...	...
...	-15.384	-20.351	0.75	...	...	*	-8.333	-41.682	1.10	44.8114	9.2	...	-3.407	+12.962	-4	M m	...
...	15.338	-34.107	-1	...	...	...	8.050	+14.630	-4	M	...	...	3.398	+19.668	0.75	...	...
...	15.178	-35.795	-1	...	...	...	8.047	+42.043	1.00	...	...	...	3.356	-40.147	-4	...	...
...	15.167	-50.611	-4	...	...	...	7.887	+14.963	-3	B	...	...	3.293	-38.761	0.65	...	...
...	15.141	+27.691	-5	M	...	...	7.875	+40.845	0.75	...	...	...	3.277	-53.284	-4	...	...
641	-15.050	+26.375	-4	...	...	701	-7.843	+2.921	-5	M	...	761	-3.267	+36.584	-5	M m	...
...	14.923	+59.672	0.90	...	...	...	7.734	-31.722	0.85	...	...	...	3.167	-52.902	-1	...	...
...	14.858	-42.935	-4	...	...	...	7.651	-1.002	-5	M	...	...	3.147	+39.006	0.65	...	...
...	14.699	+57.803	-1	...	...	*	7.590	+27.137	1.05	43.7742	9.3	...	2.847	+14.142	0.65	...	...
...	14.671	-46.401	0.95	...	...	...	7.547	-43.053	-5	...	...	*	2.676	+18.334	1.10	43.7746	9.5
...	-14.440	-45.658	1.00	...	...	...	-7.472	-6.973	-5	M	...	...	-2.601	-13.227	-1	...	...
...	14.395	-40.259	-2	...	...	*	7.450	-14.418	0.95	...	...	...	2.592	-35.354	0.65	...	...
...	14.384	+44.194	-5	M	...	...	7.371	+7.646	0.70	...	...	...	2.522	-20.602	-4	...	...
...	14.294	-24.172	-4	...	...	...	7.342	-57.783	-5	...	...	...	2.465	-13.649	-2	...	...
...	14.054	-21.210	-5	...	...	...	7.340	-47.856	-5	...	...	...	2.299	-58.943	-5	...	...
651	-13.886	+34.389	0.65	...	...	711	-7.306	+36.409	-5	M	...	771	-2.174	-46.921	-5	...	...
...	13.716	-3.479	0.90	...	...	...	7.248	-23.638	-5	...	...	...	1.847	-51.132	-3	...	...
...	13.609	+12.488	-3	...	...	...	6.898	+24.156	-5	M	...	...	1.834	-9.190	-5	M m	...
...	13.350	-20.593	-5	...	...	...	6.859	-51.054	1.00	...	...	...	1.751	+13.266	-5	M m	...
...	13.341	-39.967	-1	...	...	...	6.790	-43.204	0.70	...	...	*	1.610	+55.648	1.30	43.7747	9.3
*	-13.340	+4.893	0.90	...	...	...	-6.588	-5.856	-5	M	...	...	-1.525	+38.837	0.95	...	...
...	13.019	+27.879	-4	...	...	...	6.486	-10.266	0.90	44.8115	9.6	...	1.469	-16.677	0.70	...	...
*	12.687	+56.986	1.15	43.7740	9.6	...	6.268	+39.173	-5	...	...	...	1.092	-34.390	-4	...	...
...	12.674	-10.142	-4	...	...	...	6.223	+31.799	0.70	...	...	...	0.896	+6.227	-5	M m	...
...	12.663	+32.111	-4	...	...	*	6.130	+28.660	1.10	43.7743	9.3	...	0.675	-5.368	0.65	...	...
661	-12.541	-57.476	0.65	...	...	721	-6.062	-10.909	-5	M m	...	781	-0.666	-23.727	-5	M	...
...	12.456	-47.947	-2	...	...	...	5.840	+20.842	0.70	...	...	...	0.631	+8.004	-5	M m	...
...	12.448	-21.780	-4	...	...	...	5.774	+1.552	-3	B	...	...	0.563	-22.323	-5	m	...
...	12.445	+43.617	-5	M	...	...	5.611	-53.179	-5	...	...	...	0.439	-39.238	-3	...	...
*	12.400	+7.346	0.95	...	...	S *	5.602	+12.744	2.10	43.7745	8.4	...	0.380	-16.356	-2	...	...
...	-12.241	+51.043	-5	M	...	*	-5.598	+20.720	1.10	43.7744	9.4	...	-0.235	+44.621	-5	M m	...
...	12.135	-22.186	-4	...	...	...	5.592	-50.084	-5	...	...	...	0.165	-12.784	-3	...	...
...	12.117	+35.795	-5	M	...	...	5.438	-25.247	-5	M m	...	...	0.149	-49.378	-5	...	...
...	12.091	+29.855	-4	...	...	...	5.416	-25.324	-5	...	...	*	0.106	-54.730	1.50	44.8116	9.2
*	12.087	+13.606	1.05	43.7741	9.5	...	5.141	-25.979	-4	...	...	...	-0.026	+47.023	0.80	...	...
671	-12.003	+3.141	-5	M	...	731	-5.080	-34.402	-5	...	...	791	+0.018	+51.721	-4	m	...
...	11.970	+14.250	-2	...	...	...	4.985	+25.233	-4	M m	...	...	0.095	-14.129	-5	M m	...
...	11.961	+34.109	-4	...	...	...	4.680	+40.930	-5	M m	...	...	0.139	+53.629	0.80	...	...
...	11.807	-45.557	-5	...	...	...	4.622	+52.315	0.80	...	...	...	0.155	-33.774	-5	...	...
...	11.409	+40.433	-4	M	...	...	4.587	+3.356	0.70	m	...	...	0.447	+22.935	1.00	43.7748	9.6
...	-11.334	+4.795	-4	M	...	...	-4.570	-24.983	-5	M m	...	...	+0.643	-10.824	-3	M	...
...	11.321	+14.356	-3	...	...	...	4.559	+60.075	0.90	...	...	...	0.667	-4.272	-4	M m	...
*	11.262	-12.735	1.15	44.8111	9.4	...	4.515	+50.271	-3	...	...	...	0.740	-20.192	-5	M	...
...	11.229	-33.848	-5	...	...	...	4.507	-40.211	-3	...	...	...	0.748	-26.858	0.65	...	...
...	11.156	+59.496	-5	...	...	...	4.495	-22.190	0.70	...	...	...	0.750	-53.746	-5	...	...
681	-11.153	-23.785	-5	...	...	741	-4.394	+8.488	0.80	...	...	801	+0.815	-8.228	0.70	...	...
...	10.970	+9.746	-2	...	...	...	4.374	-53.505	0.85	...	...	...	0.825	+38.968	0.65	...	...
*	10.449	-42.976	1.80	44.8112	8.9	...	4.238	+34.621	0.85	...	...	S *	0.984	+26.291	1.70	43.7749	8.8
*	10.445	-49.308	1.15	...	...	...	4.133	-2.517	-5	m	...	...	1.009	-21.048	0.70	...	...
†	10.277	-49.170	1.00	44.8113	9.0	...	4.046	+21.797	-4	M m	...	...	1.078	+25.675	-5	M m	...
...	-10.075	-23.067	-4	...	...	...	-4.019	+2.711	-5	M m	...	...	+1.213	-9.761	0.90	...	...
...	9.906	-4.988	-1	...	...	...	4.007	+7.388	0.70	...	...	...	1.284	+11.162	-3	A m	...
...	9.837	+47.438	-5	M	...	...	3.901	+34.124	-3	A m	...	...	1.296	-32.895	0.95	...	...
...	9.700	+54.061	-5	M	...	...	3.853	+55.728	0.95	...	...	...	1.360	-12.182	-5	M m	...
...	9.303	-43.955	-5	...	...	...	3.791	-39.911	-5	M	...	*	1.401	-28.969	1.00	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
811-870						871-930						931-990								
811	+	1.418	+46.585	0.70	...	871	+	5.145	+15.664	-5	M m	...	931	+	10.331	+20.809	-1	d	...	
...	...	1.437	-32.541	0.65	...	...	...	5.175	-2.456	0.85	...	...	...	*	10.369	-22.133	1.00	44.8127	9.6
...	...	1.487	+1.104	-5	M m	...	...	5.181	-34.988	-5	M	...	...	...	10.674	-43.592	0.75	...	...
...	...	1.513	+6.624	-5	M m	...	...	5.193	-21.041	-5	M m	...	...	...	11.018	-24.723	-5	...	...
...	...	1.530	+45.697	0.70	...	...	...	5.288	-1.395	-5	M m	...	...	*	11.121	-52.314	1.60	44.8128	9.0
...	+	1.693	+26.427	-5	M m	...	+	5.400	-8.607	-5	M	...	...	...	+11.212	-51.120	0.65	...	...
...	...	1.707	-2.420	0.70	...	...	...	5.421	+23.431	-3	...	...	...	...	11.299	-31.984	-5	...	...
...	...	1.880	+0.506	-3	β m	...	...	5.428	+15.519	-5	M m	...	...	...	11.579	-9.251	-5	m	...
...	*	1.895	-49.395	1.60	44.8117	9.0	...	5.489	+56.117	-4	m	...	...	...	11.641	+18.054	0.80	...	...
...	...	1.999	-53.276	-3	...	...	...	5.602	+53.682	-4	m	...	...	...	11.695	+51.021	0.70	...	...
821	+	2.011	-2.290	0.65	M	...	881	+	5.780	-39.764	-1	...	941	+	11.778	-28.443	0.95	...	...
...	...	2.016	-2.649	-5	M m	...	...	5.817	+48.248	-1	...	...	*	11.806	+0.624	1.05	43.7754	9.5	
...	...	2.029	-9.834	0.70	...	...	...	5.891	-37.497	-5	...	...	...	11.970	-55.140	-5	...	...
...	...	2.055	-7.869	0.80	...	...	...	5.900	-41.619	1.50	44.8122	9.2	...	...	11.974	-37.440	-5	...	...
...	...	2.087	+34.765	-5	M m	...	*	5.940	-39.728	1.00	44.8123	9.6	...	...	11.981	-28.775	-5	...	...
...	+	2.153	-33.675	-5	...	...	...	5.958	-43.089	-1	...	...	...	...	+12.232	-36.261	0.80	...	...
...	...	2.469	-48.604	0.65	...	...	...	6.426	-40.233	-5	...	...	...	...	12.298	+10.950	0.80	...	...
...	...	2.552	-48.402	-3	...	...	...	6.436	+50.882	0.70	...	...	...	...	12.360	+16.814	-5	m	...
...	...	2.555	-51.270	-5	...	...	...	6.482	+14.575	-5	m	...	...	...	12.391	-29.760	-3	...	...
...	...	2.584	-16.008	0.70	...	...	...	6.567	+7.190	-5	...	...	...	...	12.464	-32.131	-5	...	...
831	+	2.664	-24.187	-5	...	...	891	+	6.593	-41.606	-2	...	951	+	12.550	+9.506	1.10	43.7755	9.2
...	...	2.829	+14.770	0.75	...	...	...	6.786	-36.634	0.80	...	...	...	12.678	-50.878	-5	...	...
...	...	2.935	+53.268	-5	M m	...	*	6.825	+21.870	1.35	43.7751	9.0	...	...	12.795	+26.848	-3	b	...
...	...	3.083	-25.329	0.65	...	...	...	6.846	-43.363	-3	...	...	...	...	12.797	-31.288	-4	...	...
...	...	3.214	-3.127	-5	M m	...	...	7.228	+52.493	0.90	...	...	...	...	12.970	-35.313	-5	...	...
...	+	3.261	+40.776	0.90	...	...	+	7.265	-54.868	0.95	44.8124	9.9	...	+	12.999	-6.819	-5	m	...
...	...	3.371	+33.926	0.70	...	...	...	7.380	+52.456	-3	...	...	...	...	13.053	-16.562	-3	...	...
...	...	3.381	+17.967	0.70	...	...	...	7.403	+12.932	-3	b	...	...	...	13.088	+45.568	0.85	...	...
...	...	3.402	+28.392	0.75	...	...	...	7.500	-57.766	0.90	...	...	...	...	13.173	-40.603	-5	...	...
...	...	3.406	+38.069	0.70	...	...	...	7.622	-40.475	-5	...	...	...	...	13.256	+17.254	0.65	b	...
841	+	3.420	+53.271	-3	...	...	901	+	7.679	-40.889	-4	...	961	+	13.322	-1.888	-5	...	...
N	...	3.433	+53.842	-5	...	...	...	7.755	-32.495	-5	...	...	...	...	13.511	+2.435	0.70	b	...
...	...	3.604	+18.023	0.70	...	...	...	7.780	-35.759	0.90	...	...	...	...	13.648	-8.483	0.70	...	...
...	...	3.626	-19.232	-5	M m	...	*	7.790	+5.575	0.95	...	...	...	...	13.912	+8.644	0.75	...	...
...	...	3.631	-22.950	-5	M m	...	...	7.923	-42.157	-5	...	...	...	...	14.003	+35.377	-5	m	...
...	+	3.637	-37.120	-5	...	...	+	7.976	+3.558	0.80	...	...	...	+	14.230	+28.188	-5	m	...
...	...	3.667	-38.345	0.75	...	...	*	8.008	+41.736	1.05	43.7752	9.6	...	...	14.342	+36.400	-5	m	...
...	...	3.765	-58.603	-5	...	...	...	8.017	-2.554	0.80	...	...	...	...	14.383	+31.787	0.70	...	...
...	...	3.872	-42.219	1.00	...	...	...	8.097	-27.758	-3	...	...	*	...	14.491	+17.165	1.50	43.7756	8.8
...	...	3.971	-28.624	0.80	...	...	...	8.183	-31.540	-3	...	...	...	...	14.765	+14.155	-5	m	...
851	+	3.994	-2.203	0.65	M	...	911	+	8.281	+43.178	-5	m	...	971	+	14.812	+56.366	-5	m	...
...	...	4.206	-53.077	0.70	...	...	...	8.540	-47.045	-5	...	...	*	...	14.920	-0.584	1.15	43.7757	9.2
*	...	4.304	-40.282	1.00	44.8118	9.4	...	8.676	-35.375	-5	...	...	...	...	14.970	-29.142	-3	...	...
...	...	4.420	+48.100	-5	M m	...	...	8.707	-41.782	-1	...	...	...	...	14.985	-0.059	-5	...	...
...	...	4.431	-38.034	1.00	...	...	...	8.753	-35.815	0.80	...	...	...	...	14.995	-33.632	-4	...	...
*	+	4.441	-38.513	1.20	44.8119	9.4	...	+9.004	+8.358	0.65	...	...	*	+	15.063	+2.193	1.30	43.7758	9.2
...	...	4.455	-40.338	-5	...	...	...	9.080	-33.050	-5	...	...	...	...	15.163	-6.992	-5	...	...
...	...	4.492	-34.075	0.65	...	...	...	9.203	-41.597	1.00	44.8125	9.6	...	...	15.179	+10.487	0.85	...	...
...	...	4.534	-54.088	0.80	...	...	*	9.256	+25.130	1.00	...	...	...	...	15.194	-29.090	-5	...	...
...	...	4.566	+33.512	-4	M m	...	...	9.471	-36.550	-5	...	...	...	...	15.282	-35.767	-4	...	...
861	+	4.809	-31.806	-5	...	...	921	+	9.667	-3.878	0.70	...	981	+	15.392	+10.906	-3	b	...
*	...	4.844	-37.446	1.00	44.8120	9.6	...	9.692	-9.949	-5	m	...	...	...	15.832	+8.066	-2	b	...
...	...	4.856	-45.521	-4	...	...	...	9.848	-20.899	0.85	...	...	...	...	15.837	+14.926	-5	m	...
...	...	4.887	+23.907	-5	M m	...	...	9.940	+9.416	-5	m	...	...	...	15.907	-51.443	-5	...	...
...	...	4.899	-37.775	0.95	44.8121	9.6	...	9.988	-29.434	-3	...	...	S *	...	15.917	-14.982	1.00	44.8130	9.5
*	+	4.932	+23.773	1.15	43.7750	9.3	...	+10.073	+5.751	0.75	...	...	...	+	15.925	+6.860	-5	m	...
...	...	5.024	+30.992	-5	M m	...	...	10.147	-0.546	0.75	...	...	...	...	16.136	+5.994	-5	m	...
...	...	5.073	-35.256	-4	...	...	*	10.169	-54.964	1.50	44.8126	9.0	...	...	16.223	-31.066	-4	...	...
...	...	5.083	-37.666	-5	M	...	*	10.242	+9.170	1.00	43.7753	9.2	...	...	16.502	-49.339	-5	...	...
...	...	5.104	-37.321	-5	...	...	...	10.242	+43.949	-5	m	...	...	...	16.536	-34.659	-5	m	...

841. Obscures 2nd image of 842.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
991-1050						1051-1110						1111-1170					
991	+16°735	+48°556	-5	<i>m</i>	...	1051	+22°731	+44°515	1°00	43.7761	9.6	1111	+28°283	+16°928	0°90	...	...
...	16°745	-8°492	-4	...	...	...	22°751	-5°505	-5	...	...	...	28°315	+44°596	-5	<i>m</i>	...
...	16°758	-58°460	-5	...	...	...	23°032	-32°824	0°70	...	...	...	28°397	+51°452	0°70	...	...
...	16°833	+26°453	0°90	...	...	...	23°223	+39°555	-5	<i>m</i>	...	...	28°446	+33°348	-3	...	...
...	16°944	+34°669	1°15	43.7759	9.5	...	23°291	-16°068	0°80	44.8136	10.0	...	28°521	+2°814	-5	<i>m</i>	...
...	+16°997	-5°426	-5	<i>m</i>	...	...	+23°417	+20°036	-3	...	...	...	* +28°815	+1°688	1°05	43.7766	9.5
...	17°201	-21°604	-5	...	...	...	23°578	+44°214	-5	<i>m</i>	...	...	28°831	+54°143	-5	<i>m</i>	...
...	17°348	-28°303	-5	...	...	...	23°693	+8°462	-5	<i>m</i>	...	...	28°886	+38°915	-5	<i>m</i>	...
...	17°369	-8°879	-2	...	...	...	23°811	+3°537	-5	<i>m</i>	...	...	28°890	+54°684	-5	<i>m</i>	...
...	17°470	-22°502	0°65	...	...	...	23°834	-49°167	-4	...	...	...	* 28°899	+17°655	1°10	43.7767	9.5
1001	+17°536	-9°692	-4	...	...	1061	+23°937	-41°098	-5	...	...	1121	+28°911	-49°143	-5	...	...
...	17°573	+43°529	0°90	...	...	...	24°007	+35°683	-5	<i>m</i>	...	...	28°923	+26°050	-5	<i>m</i>	...
...	17°598	+21°632	0°65	...	...	...	24°033	-9°749	0°80	...	...	...	* 28°946	+9°827	1°70	43.7768	8.8
...	17°686	-33°638	-2	...	...	...	* 24°119	-1°764	1°10	43.7762	9.5	...	28°979	-32°813	-5	...	...
...	17°693	-40°644	-5	...	...	...	24°348	-36°342	-5	...	...	...	29°052	-32°858	0°90	44.8139	10.0
...	+17°729	-2°764	-5	<i>m</i>	...	...	* 24°450	-43°467	1°00	44.8137	10.0	...	+29°116	+3°649	-4	<i>m</i>	...
...	17°845	-32°118	-5	...	...	...	* 24°497	+50°505	1°00	43.7763	9.6	...	29°117	-30°525	-4	...	...
...	17°856	-32°880	-4	...	...	...	24°501	-12°880	-5	...	...	...	† 29°299	-9°646	-5	...	...
...	17°995	-5°644	-4	...	...	...	24°803	-34°802	0°90	...	...	...	29°331	-10°373	-5	<i>m</i>	...
...	* 18°091	-17°948	1°00	44.8131	9.6	...	25°030	-28°188	0°90	...	...	...	* 29°424	-12°387	1°00	44.8140	9.4
1011	+18°155	-43°898	-5	...	...	1071	+25°108	-15°429	-5	<i>m</i>	...	1131	+29°443	-20°134	-5	...	...
...	18°266	-6°683	-5	<i>m</i>	...	...	25°185	-36°208	-5	...	...	...	† 29°702	-44°451	-5	...	...
...	18°572	-23°066	-5	...	...	N [	25°262	+4°077	-3	...	...	...	i 29°793	-17°275	-5	...	...
...	18°638	+27°965	-5	<i>m</i>	...	N*	25°307	+4°129	1°00	43.7764	9.4	...	29°861	-41°155	-5	<i>m</i>	...
...	18°641	-29°443	-4	...	...	...	25°367	-49°939	-3	...	...	...	30°007	-33°749	-5	...	...
...	+18°662	+47°701	-5	<i>m</i>	...	...	25°367	-49°939	-3	...	...	...	30°041	-41°377	0°90	...	...
...	18°773	-14°832	0°75	...	...	...	+25°447	-28°247	-3	...	...	...	30°062	-40°512	0°70	...	...
...	18°831	-36°272	-4	...	...	...	25°613	-0°915	0°90	...	...	...	30°062	-40°512	0°70	...	...
...	19°000	+43°951	-4	<i>m</i>	...	...	25°790	-4°000	-4	...	...	...	30°074	-32°701	-1	...	...
...	19°060	+57°375	-5	<i>m</i>	...	...	25°850	+37°706	-1	...	...	...	30°205	+25°985	0°80	...	...
1021	+19°175	-37°517	-4	...	...	1081	+25°855	-8°225	0°80	44.8138	10.0	1141	+30°331	-39°659	0°65	...	...
...	* 19°214	-36°129	1°00	44.8132	9.6	...	+25°879	+12°351	-5	<i>m</i>	...	...	+30°413	-28°800	-5	...	...
...	19°274	-20°093	-3	...	...	...	25°889	+21°301	0°90	...	...	...	30°482	+18°922	-5	<i>m</i>	...
...	19°363	+50°329	0°85	...	...	...	25°975	-23°416	-4	...	...	...	30°495	-39°438	-4	...	...
...	* 19°480	-35°260	1°10	44.8133	9.6	...	25°992	-27°505	-4	...	...	...	30°554	-32°298	-2	...	...
S*	+19°819	+8°687	1°60	43.7760	8.8	...	26°148	-52°148	-3	...	...	...	30°683	-32°800	-5	...	...
...	20°036	+14°029	0°70	<i>a</i>	...	...	+26°263	-26°222	-5	...	...	...	+30°693	-31°479	-5	...	...
...	20°141	-36°609	0°80	...	...	...	26°363	-1°693	-5	...	...	...	30°724	-44°423	-5	...	...
...	20°144	-18°368	0°65	...	...	...	26°569	-21°538	-5	...	...	...	30°774	-54°190	0°90	...	...
...	20°249	-38°705	0°95	...	...	...	26°570	-11°611	-4	...	...	...	S* 30°883	+55°794	2°30	43.7769	7.8
1031	+20°380	+48°624	-1	...	...	1091	26°592	-26°113	-2	...	...	1151	n 30°865	+4°224	0°80	43.7771	10.0
...	20°629	+51°368	0°70	...	...	...	+26°835	-30°205	-5	...	...	...	* 30°906	+44°483	1°00	43.7770	10.0
...	20°633	-3°533	-5	...	...	...	26°909	+30°997	-5	<i>m</i>	...	...	30°980	-30°094	-4	...	...
...	20°717	-31°242	-5	...	...	...	26°936	+16°841	-5	<i>m</i>	...	...	n 31°005	+4°289	1°00	43.7771	10.0
...	21°073	+47°961	-3	...	...	...	27°011	-49°011	-1	...	...	...	31°027	-30°921	0°70	...	...
...	* 21°239	-59°211	1°40	44.8134	9.2	...	27°086	-47°237	-5	...	...	...	31°191	+31°211	0°70	...	...
...	21°294	+19°685	0°70	...	...	...	+27°379	-37°157	-4	...	...	...	+31°388	+1°182	-5	<i>m</i>	...
...	21°407	-49°079	-5	...	...	...	27°390	-25°400	-5	...	...	...	31°448	-39°751	0°95	...	...
...	21°616	-19°826	-5	...	...	...	27°484	-36°824	-5	...	...	...	31°471	-30°776	-5	...	...
...	21°618	+43°193	-5	<i>m</i>	...	...	27°554	+10°889	-4	<i>m</i>	...	...	n 31°689	+26°275	-5	<i>m</i>	...
1041	+21°796	+1°478	-1	<i>b</i>	...	1101	27°582	-25°320	-5	...	...	1161	S* 31°701	-50°270	3°00	44.8141	7.1
...	21°798	-16°276	-1	...	...	...	+27°621	-21°348	0°85	...	...	...	* 31°740	-53°489	-5	...	...
...	21°846	-20°647	-5	...	...	...	27°627	+4°059	1°00	43.7765	9.6	...	31°766	-6°318	0°80	...	...
...	21°855	-36°632	0°80	...	...	...	27°659	-18°250	-2	...	...	...	32°006	-47°422	-1	...	...
...	21°924	-28°554	-5	...	...	...	27°847	-25°290	-5	...	...	...	n 32°389	-30°431	1°00	...	...
...	+21°939	-27°622	0°80	...	...	...	27°954	+0°764	-5	<i>m</i>	...	...	32°510	-21°203	0°65	...	...
...	22°084	+51°893	0°70	...	...	...	+28°087	-20°091	-5	...	...	...	+32°567	-29°250	-5	...	...
...	22°553	-55°756	-5	...	...	...	28°090	-21°242	-1	...	...	...	32°568	-27°438	-5	<i>m</i>	...
...	22°597	-19°415	0°80	...	...	...	28°148	-20°989	0°70	...	...	...	32°569	+30°653	-5	<i>m</i>	...
...	* 22°652	-25°219	1°00	44.8135	9.4	...	28°166	+4°213	-4	<i>m</i>	...	...	32°570	+44°418	-5	<i>m</i>	...
...						...	28°253	-49°594	0°65	...	...	...	32°598	-31°453	-5	<i>m</i>	...

1073, 1074. 43°·102, mass.

1150, 1153. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1171-1230						1231-1290						1291-1350						
1171	+32.647	+6.464	-5	<i>m</i>	...	1231	+36.782	-29.775	-5	...	1291	+40.860	-3.801	-5	...	...
...	32.778	-1.746	-1	...	...	...	36.846	+36.284	-4	...	...	†	40.904	+5.372	0.65	<i>a</i>	...
...	32.825	-29.146	-5	...	...	...	36.936	-29.651	-5	...	...	...	41.023	+43.235	-4	<i>m</i>	...
*	32.921	+3.513	1.00	43.7772	10.0	...	36.956	-28.043	-3	...	...	...	41.062	+14.786	-5	<i>m</i>	...
...	32.948	-24.118	-5	...	...	...	36.996	-23.460	-5	...	...	*	41.064	+56.704	1.10	43.7778	9.6
...	+32.957	+28.693	-3	<i>b</i>	...	...	+37.068	-21.715	0.70	...	...	...	+41.211	+59.848	-5	...	...
...	33.056	+9.276	-5	<i>m</i>	...	...	37.071	-32.913	-2	...	...	...	41.281	-20.279	-5	<i>m</i>	...
...	33.124	+19.541	-5	<i>m</i>	...	...	37.205	-35.592	-4	...	...	...	41.337	-15.198	-5	<i>m</i>	...
...	33.138	+8.865	0.65	<i>b</i>	...	...	37.257	-32.846	-1	...	...	...	41.350	-35.815	-5	...	...
...	33.421	-37.493	-5	...	...	*	37.439	-7.796	1.00	44.8144	9.6	...	41.500	+49.413	0.65	...	...
1181	...	...	...	...	...	1241	...	...	...	...	1301	...	...	...	...	...	...
...	+33.514	-51.053	-5	...	...	...	+37.546	-30.413	-4	...	...	...	+41.723	-33.790	-5	...	...
...	33.534	-33.740	0.70	...	...	...	37.618	-31.596	-4	...	...	...	41.754	-50.684	-5	...	...
...	33.552	-33.366	-4	...	...	...	37.739	-38.548	-2	...	...	...	41.818	+10.950	0.75	43.7779	10.0
*	33.559	+19.474	1.00	43.7773	9.8	...	37.744	-28.498	-2	...	...	...	41.854	-38.177	-5	...	...
...	33.782	-30.818	-5	...	...	...	37.760	+29.580	-4	<i>m</i>	...	...	41.859	+5.446	-5	<i>m</i>	...
...	+33.876	-19.269	-5	...	...	...	+37.811	-57.175	-5	...	...	...	+41.925	-32.620	-5	...	...
...	33.917	-30.175	-5	...	...	...	37.886	-29.323	-5	...	...	*	42.076	-19.713	1.00	44.8148	10.0
...	34.005	-32.633	-5	<i>m</i>	...	...	37.956	-27.023	-5	...	...	...	42.131	-45.531	0.75	...	...
...	34.248	+10.160	-5	<i>m</i>	...	...	38.025	-33.414	-3	...	...	...	42.187	-33.454	-4	...	...
*	34.272	-46.355	1.50	44.8143	9.5	...	38.032	-9.774	-5	...	...	...	42.239	+41.437	-4	...	...
1191	...	...	...	...	...	1251	...	...	...	...	1311	...	...	...	...	...	...
...	+34.284	-4.427	-5	...	...	*	+38.104	-42.396	0.95	44.8145	10.0	...	+42.269	-26.680	-1	...	...
...	34.367	-8.991	0.85	44.8142	10.0	...	38.126	-22.913	-4	...	...	...	42.331	-24.196	-5	...	...
†	34.498	+22.704	-4	<i>m</i>	...	...	38.247	-0.300	-5	<i>m</i>	...	...	42.515	+4.918	0.90	...	...
...	34.624	-7.879	-5	...	...	...	38.249	-57.287	-4	...	...	...	42.536	-55.881	-2	...	...
...	34.690	-49.240	0.75	...	...	...	38.263	-7.976	0.90	...	...	...	42.662	-13.262	-5	...	...
...	+34.991	-30.932	-4	...	...	...	+38.266	-3.584	-4	...	...	...	+42.740	-57.537	-4	...	...
...	35.117	-47.085	-4	...	...	...	38.307	-31.033	-5	...	...	...	42.764	-57.183	-4	<i>m</i>	...
...	35.135	-33.463	-5	...	...	...	38.415	-30.340	-5	...	...	...	42.884	+15.900	0.70	...	...
...	35.173	-7.490	-5	...	...	...	38.575	-43.551	-5	...	...	...	42.886	-4.545	0.70	...	...
...	35.258	-29.094	-4	...	...	...	38.650	+21.506	-5	<i>m</i>	...	...	42.897	-35.136	-5	...	...
1201	...	...	...	...	...	1261	...	...	...	...	1321	...	...	...	...	...	...
...	+35.292	-48.366	-4	...	...	...	+38.792	-51.834	-5	...	...	...	+42.926	+2.546	-1	<i>b</i>	...
...	35.328	-31.629	-5	...	...	...	38.807	-35.380	-4	...	...	...	43.221	-9.775	-5	...	...
...	35.353	-32.458	-5	...	...	α	38.926	+0.053	0.85	43.7775	10.0	...	43.374	-39.734	-5	...	...
...	35.452	+29.908	0.90	...	...	...	38.954	-39.320	-5	...	...	...	43.407	-29.924	-5	...	...
...	35.455	-58.244	-5	...	...	...	39.025	-20.391	-5	...	...	...	43.541	+56.415	0.70	...	...
...	+35.458	-28.090	-3	...	...	...	+39.081	-32.906	-4	...	...	...	+43.767	-33.581	-1	...	...
...	35.461	-34.461	-5	...	...	...	39.121	-33.653	-5	...	...	...	43.828	-42.341	-5	...	...
...	35.556	+37.704	-5	<i>m</i>	...	...	39.256	-33.185	-5	...	...	...	43.830	-29.089	0.70	...	...
...	35.609	-21.409	-5	...	...	...	39.292	+37.674	0.95	...	...	...	43.911	-9.361	-5	<i>m</i>	...
...	35.664	-19.703	-3	...	...	...	39.395	+11.013	-5	<i>m</i>	...	...	44.039	+2.199	0.65	<i>a</i>	...
1211	...	...	...	...	...	1271	...	...	...	...	1331	...	...	...	...	...	...
...	+35.669	+32.810	-5	<i>m</i>	...	...	+39.466	-31.097	-5	...	...	...	+44.072	-37.730	-5	...	...
...	35.670	-12.150	-5	...	...	...	39.629	-33.790	-1	...	...	...	44.073	-27.031	-5	...	...
...	35.711	-27.939	-4	...	...	...	39.728	-30.749	-5	...	...	...	44.289	-11.019	-4	...	...
...	35.834	+26.308	-5	<i>m</i>	...	*	39.870	-13.973	1.00	44.8146	10.0	...	44.353	-44.720	0.65	...	...
...	35.853	+29.402	-5	<i>m</i>	...	...	39.897	-45.735	-5	...	...	...	44.389	-26.739	0.65	...	...
...	+35.882	-36.851	-5	+39.926	-58.954	0.75	†	+44.455	-0.856	-5
...	35.888	+3.249	0.85	43.7774	10.0	...	40.028	-35.748	-5	...	...	...	44.615	-31.314	-5	...	...
...	35.905	-41.810	-3	...	...	...	40.055	-27.348	-5	...	...	...	44.749	-3.064	0.65	...	...
...	35.909	-32.847	-5	...	...	...	40.194	-12.016	-5	...	...	...	44.783	+9.617	-1	...	...
...	35.960	+26.450	-5	<i>m</i>	...	*	40.298	+20.156	1.00	43.7776	9.9	...	44.848	+7.211	-4	<i>m</i>	...	
1221	...	...	...	...	...	1281	...	...	...	...	1341	...	...	...	...	...	...
...	+36.073	+16.131	-5	<i>m</i>	+40.336	+56.514	-5	†	+44.908	+30.225	1.60	43.7780	9.0
...	36.132	-20.510	-5	...	...	*	40.386	-52.735	1.70	44.8147	8.8	...	44.909	+6.537	-4	<i>m</i>	...
...	36.173	-37.844	0.65	...	...	...	40.455	-16.097	0.80	...	...	...	44.928	-25.354	-4	...	...
...	[36.286	-29.918	-3	...	...	...	40.554	-27.039	-4	...	...	...	44.954	+15.798	-1	<i>a</i>	...
...	36.354	-33.087	-4	...	...	...	40.585	-40.870	-5	...	...	...	45.133	-46.211	-5	...	...
...	+36.397	-27.829	-5	...	...	...	+40.594	-43.673	0.85	...	...	...	+45.186	+16.480	-1	...	...
...	36.439	-39.279	-5	...	...	...	40.653	+16.483	-5	<i>m</i>	...	*	45.308	+6.336	1.05	43.7781	9.6
...	36.448	-44.066	-5	...	...	...	40.762	+0.184	0.75	...	...	...	45.361	-28.266	-5	...	...
...	36.605	-31.787	-5	...	...	...	40.793	-30.549	1.00	...	...	...	45.438	-3.860	-4	...	...
...	36.751	-35.474	-5	...	...	...	40.831	+53.294	1.00	43.7777	10.0	*	45.561	-17.112	1.00	44.8149	9.8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1351-1400						1401-1450						1451-1474					
1351	+45.671	-30.470	1.00	44.8150	9.6	1401	+51.573	-58.034	1.60	44.8159	9.2	1451	+57.264	-27.925	0.70	...	...
*	45.767	-49.223	0.90	44.8151	9.9	*	51.605	-33.144	-5	...	...	...	57.391	-15.055	1.00	44.8165	9.6
...	45.914	+7.314	0.80	...	...	...	51.946	+1.718	-5	e	...	*	57.613	-43.380	1.15	44.8166	9.6
...	45.964	+22.485	-5	m	...	...	51.954	+18.381	0.85	...	...	...	57.648	+49.016	-1	...	...
...	45.971	-20.830	-5	...	...	...	51.998	+32.833	1.00	43.7789	10.0	...	57.675	-32.278	-5	...	...
...	+46.202	+0.041	0.65	...	...	...	+52.045	-30.288	-5	...	...	...	+57.677	-40.057	-5	...	...
*	46.365	-17.175	1.00	44.8152	9.8	...	52.44c	-28.384	-5	...	...	*	57.889	+7.638	1.10	43.7797	9.6
...	46.402	-28.108	-5	...	...	...	52.448	+16.107	-5	e	...	...	57.942	+38.812	1.00	43.7796	9.9
...	46.411	-0.904	-4	...	...	...	52.456	-24.300	-3	...	...	...	57.947	+35.344	-4	...	...
...	46.808	+10.380	0.70	...	...	...	52.480	-45.654	-5	...	...	...	58.050	+7.679	-4	...	...
1361	+46.907	-21.692	0.75	...	...	1411	+52.545	-25.477	-5	...	...	1451	+58.140	-28.751	0.95	44.8168	10.0
...	47.363	-21.200	0.80	...	...	...	52.630	-41.478	0.80	...	...	*	58.271	-24.175	1.00	44.8167	9.8
*	47.395	-32.351	0.95	44.8153	10.0	...	52.678	-12.667	-5	e	...	...	58.350	-53.308	1.00	44.8169	10.0
...	47.586	+8.664	-4	m	...	*	52.701	-7.435	1.10	44.8160	9.2	S*	58.359	+12.058	1.60	43.7798	9.0
...	47.680	-15.593	-4	...	...	*	52.768	+40.883	1.10	43.7790	9.6	*	58.520	-1.680	0.95	43.7799	10.0
...	+47.684	+7.208	0.90	43.7782	10.0	...	+52.889	+41.105	-4	...	...	...	+58.889	-5.897	0.85	...	...
...	47.786	-1.518	0.65	...	...	...	52.891	-39.088	-5	...	...	...	59.077	-24.248	-5	...	...
...	47.827	-25.246	-3	...	...	*	52.944	+34.694	1.20	43.7791	9.1	*	59.118	-42.962	2.20	44.8170	7.8
...	47.910	-30.833	-1	...	...	...	52.988	-12.965	0.80	...	...	...	59.153	+58.636	0.80	...	...
...	48.160	-47.609	-5	...	...	...	53.007	-1.079	-5	m	...	...	59.190	+35.206	0.65	...	...
1371	+48.222	+24.125	-5	m	...	1421	+53.069	-25.219	0.80	...	...	1451	+59.229	+52.452	0.90	...	...
...	48.291	-53.186	1.15	44.8155	9.6	...	53.070	-36.111	0.80	...	...	...	59.286	-39.450	-5	...	...
*	48.426	-14.873	1.05	44.8154	9.8	...	53.162	-12.094	-5	...	...	...	59.308	-26.620	-5	...	...
...	48.480	+4.840	0.90	43.7783	10.0	...	53.203	+8.231	-5	e	...	...	59.350	+11.133	0.95	43.7800	10.0
...	48.574	-37.661	-4	...	...	...	53.227	-38.804	-5	...	...	...	...	...	...	...	...
...	+48.846	+55.342	-1	...	...	...	+53.352	-12.739	0.70	...	...	...	...	...	...	...	...
*	49.050	-48.472	2.00	44.8156	8.4	...	53.389	-10.546	-1	...	...	...	...	...	...	...	...
...	49.202	-1.242	-3	...	...	...	53.632	-28.175	-4	...	...	...	...	...	...	...	...
...	49.237	-40.509	-5	...	...	*	53.778	-7.097	1.00	44.8161	10.0	...	...	...	...	...	...
...	49.283	-23.724	0.65	...	...	...	53.799	+9.701	-5	e	...	...	...	...	...	...	...
1381	+49.300	-30.812	-5	...	...	1431	+53.998	-42.114	-5	...	...	...	...	...	...	...	...
S †	49.592	-22.536	1.90	44.8157	8.4	*	54.076	-46.453	1.90	44.8162	8.6	...	...	...	...	...	...
...	49.767	-17.043	-1	...	...	*	54.648	-18.434	1.40	44.8163	9.2	...	...	...	...	...	...
...	49.826	+13.499	1.00	43.7784	10.0	*	54.715	+17.987	0.90	43.7792	9.9	...	...	...	...	...	...
...	49.920	+10.220	1.00	43.7785	9.9	...	54.739	+6.969	-4	...	...	...	...	...	...	...	...
...	+50.045	+44.077	-5	...	...	...	+54.863	+27.589	-5	...	...	...	...	...	...	...	...
...	50.219	+7.944	-3	e	...	...	55.255	+17.122	0.70	...	...	...	...	...	...	...	...
...	50.284	+7.133	0.90	...	...	...	55.335	+6.628	-5	e	...	...	...	...	...	...	...
...	50.548	+19.063	0.80	...	...	...	55.399	-3.167	-5	...	...	...	...	...	...	...	...
...	50.587	-2.409	1.00	43.7787	10.0	...	55.623	-3.377	-5	...	...	...	...	...	...	...	...
1391	+50.729	+22.230	-5	m	...	1441	+55.787	+41.474	-5	e	...	...	...	...	...	...	...
*	50.766	+44.580	1.50	43.7786	9.2	...	55.799	-7.591	0.70	...	...	...	...	...	...	...	...
*	50.843	-4.876	0.95	44.8158	10.0	...	55.955	+12.922	0.90	43.7793	10.0	...	...	...	...	...	...
...	50.914	-14.455	-5	...	...	...	56.052	-21.141	-3	...	...	...	...	...	...	...	...
...	51.112	-18.817	-5	...	...	...	56.196	-41.916	0.85	...	...	...	...	...	...	...	...
...	+51.155	-41.356	-5	...	...	*	+56.210	+19.592	1.15	43.7794	9.6	...	...	...	...	...	...
...	51.241	-43.296	-5	...	...	*	56.617	-45.133	1.15	44.8164	9.8	...	...	...	...	...	...
...	51.291	-23.638	-4	...	...	...	56.980	+9.258	0.90	43.7795	10.0	...	...	...	...	...	...
*	51.424	+45.317	1.10	43.7788	9.3	...	57.072	+4.001	-2	...	...	...	...	...	...	...	...
...	51.497	+3.287	-5	e	...	...	57.201	+51.617	-5	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-60						61-120						121-180						
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-60.097	-1.703	0.80	...	...	*	-53.926	-7.095	1.00	44.8161	10.0	...	-47.563	+25.318	-3	...	...
...	59.923	-21.383	0.85	...	...	...	53.919	+27.602	0.65	...	...	...	*	47.494	-42.787	2.50	44.8170	7.8
...	59.768	-15.778	-3	...	...	...	53.767	-36.122	0.80	...	...	...	...	47.464	-39.281	-5	...	...
...	59.609	-14.247	-5	...	...	*	53.765	+17.995	1.05	43.7792	9.9	...	...	47.304	-23.325	-2	...	...
*	59.585	+4.676	0.95	43.7783	10.0	...	53.552	+38.819	-5	...	...	...	...	47.215	+9.922	0.65	...	...
...	-59.551	-32.532	1.00	44.8153	10.0	...	-53.451	-28.183	0.65	...	...	...	...	-47.196	+53.291	-2	...	...
...	59.347	-25.421	-3	...	...	...	53.424	+41.518	-5	E	...	...	*	46.928	-13.419	1.15	44.8171	9.5
...	59.240	+43.936	-4	...	...	...	53.415	+6.998	0.75	...	...	...	...	46.900	+25.925	-4	M	...
...	59.083	-31.010	0.80	...	...	...	53.200	+17.147	0.90	...	...	...	†	46.783	-24.676	-5	...	...
*	59.053	-15.030	1.05	44.8154	9.8	...	52.806	+6.667	0.70	E	...	...	...	46.738	-28.653	-4	...	...
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...	...
...	-58.688	-1.385	0.75	...	...	*	-52.717	-18.394	1.60	44.8163	9.2	*	-46.618	+52.543	1.70	43.7801	9.3	...
*	58.515	+13.361	1.00	43.7784	10.0	...	52.669	-24.097	-5	...	...	...	...	46.590	-45.634	-3	...	...
*	58.513	+44.460	1.70	43.7786	9.2	...	52.610	-24.435	-5	...	...	...	...	46.323	+45.608	-2	...	...
...	58.326	-47.762	-5	...	...	...	52.511	-49.187	-4	...	...	...	...	46.079	+3.317	-5	M	...
*	58.322	+10.101	1.05	43.7785	9.9	...	52.448	-3.125	0.65	...	...	...	...	46.031	+38.664	-3	M	...
...	-58.220	-37.812	-3	...	...	*	-52.426	-46.436	2.20	44.8162	8.6	...	...	-46.021	-43.387	-2	...	...
...	58.165	-9.120	-4	...	...	*	52.369	+12.972	0.95	43.7793	10.0	...	...	45.916	+55.675	-5	M	...
...	58.117	-9.940	-2	...	...	*	52.306	+19.654	1.15	43.7794	9.6	...	...	45.900	-56.824	-4	...	...
*	58.039	-53.349	1.50	44.8155	9.6	...	52.291	+51.681	-4	...	...	...	...	45.900	+56.824	-4	...	...
...	57.961	+18.953	0.90	...	...	...	52.214	-3.330	0.65	...	...	...	...	45.869	+39.957	-5	M	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...	...
...	-57.955	+7.824	-4	E	...	...	-52.189	+5.403	-5	M	...	...	...	-45.809	+4.817	-5	M	...
...	57.920	-23.843	0.75	...	...	...	51.902	-7.529	0.80	...	...	...	...	45.754	+55.765	-5	M	...
*	57.883	+45.213	1.60	43.7788	9.3	...	51.763	+49.104	0.70	...	...	...	...	45.640	+24.853	0.85	...	...
...	57.868	+7.017	0.85	...	...	...	51.252	-21.065	0.75	...	...	...	...	45.632	-11.567	0.75	...	...
...	57.710	-30.943	-1	...	...	...	51.221	+9.355	0.95	43.7795	10.0	*	...	45.614	+37.608	1.00	43.7804	10.0
S*	-57.650	-22.659	1.90	44.8157	8.4	*	-51.146	+38.914	1.05	43.7796	9.9	...	...	-45.547	+34.568	0.85	...	...
...	57.646	-17.161	-4	...	...	...	51.052	+35.443	0.65	...	...	...	...	45.520	+10.554	-1	B	...
...	57.461	-40.637	-5	...	...	...	50.985	+4.097	0.70	...	...	...	...	45.412	-18.248	2.00	44.8172	8.4
*	57.408	-48.611	2.50	44.8156	8.4	...	50.946	+38.193	-5	M	...	...	...	45.374	+52.405	-5	M	...
*	57.266	-2.511	1.05	43.7787	10.0	...	50.561	+58.773	0.90	...	...	...	...	45.238	+38.105	1.60	43.7806	9.2
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...	...
*	-56.949	-4.961	1.00	44.8158	10.0	*	-50.476	-41.838	1.00	...	...	†	...	-45.193	+17.670	1.40	43.7803	9.4
...	56.929	+32.760	0.95	43.7789	10.0	...	50.292	+52.585	0.80	...	...	*	...	45.099	+5.618	0.95	43.7802	10.0
...	56.583	-14.542	-5	...	...	*	50.281	+7.761	1.20	43.7797	9.6	...	...	44.991	+12.692	-5	M	...
...	56.562	+3.207	-1	E	...	...	50.120	+7.802	-1	...	...	...	...	44.981	-12.315	0.65	...	...
...	56.534	+18.308	0.90	...	...	...	50.098	-4.444	-5	M	...	*	...	44.979	-18.917	1.60	43.7805	9.1
*	-56.401	+40.823	1.40	43.7790	9.6	*	-50.092	-14.939	1.00	44.8165	9.6	...	...	-44.975	-5.251	-2	...	...
...	56.299	+41.046	-4	...	...	*	49.950	-45.027	1.10	44.8164	9.8	...	...	44.951	-46.329	-5	...	...
...	56.256	-18.895	-5	...	...	S*	49.937	+12.171	1.40	43.7798	9.0	*	...	44.937	+33.438	1.00	43.7807	9.6
...	56.044	+1.641	-5	E	...	...	49.885	-7.806	-5	...	...	*	...	44.868	+47.543	1.10	43.7809	9.9
*	56.038	+34.654	1.80	43.7791	9.1	...	49.827	-27.811	0.85	...	...	...	...	44.760	+51.521	-1	...	...
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...	...
...	-55.971	+16.056	-5	E	...	...	-49.814	+35.364	0.85	...	...	...	...	-44.702	+30.913	-4	M	...
...	55.948	-23.711	-4	...	...	...	49.363	-1.547	0.90	43.7799	10.0	...	...	44.591	+18.464	0.90	43.7808	10.0
...	55.514	+1.575	-5	M	...	...	49.282	-32.157	-4	...	...	...	...	44.355	+19.768	-4	M	...
...	55.335	-33.199	-5	...	...	*	49.005	-43.251	1.10	44.8166	9.6	*	...	44.302	+45.520	1.05	43.7810	9.8
*	55.005	-7.462	1.50	44.8160	9.2	...	49.000	+37.565	-3	...	...	...	...	44.181	-4.569	0.80	...	...
...	-54.986	+8.207	-5	E	...	*	-48.932	-24.043	1.00	44.8167	9.8	...	...	-44.132	+28.865	0.90	...	...
...	54.965	-30.334	0.65	...	...	*	48.931	-28.614	0.90	44.8168	10.0	...	...	44.054	-45.184	-5	...	...
...	54.875	-12.697	-5	E	...	*	48.924	+11.280	0.95	43.7800	10.0	...	...	44.049	+42.328	-5	M	...
...	54.744	-24.338	-4	...	...	...	48.871	-5.742	0.80	...	...	*	...	43.924	-42.627	0.95	44.8173	9.9
...	54.642	-28.439	-1	...	...	...	48.709	-32.448	-5	...	...	...	...	43.871	-40.476	-5	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...	...
...	-54.605	-25.501	-4	...	...	...	-48.679	+26.688	-5	M	...	...	...	-43.540	+14.002	0.65	B	...
*	54.603	-58.081	1.70	44.8159	9.2	...	48.189	-19.955	-5	...	...	†	...	43.459	-5.250	0.65	B	...
...	54.549	-12.982	0.80	...	...	...	48.137	-24.082	-3	...	...	*	...	43.395	-58.087	1.10	44.8174	10.0
...	54.416	+9.707	-5	E	...	...	48.087	-29.947	-5	...	...	*	...	43.389	-7.017	1.60	44.8170	9.1
...	54.400	-12.098	-5	...	...	...	47.966	-53.161	0.95	44.8169	10.0	*	...	43.184	-35.011	1.20	44.8175	9.4
...	-54.226	-10.557	0.70	...	...	...	-47.909	+31.662	0.85	...	...	...	...	-43.128	-50.555	-5	...	...
...	54.182	-12.752	0.70	...	...	...	47.902	-10.275	-4	...	...	...	...	43.083	-20.948	0.65	...	...
...	54.099	-25.239	0.80	...	...	...	47.844	-26.442	-4	...	...	...	...	42.989	-30.935	-5	...	...
...	54.047	-41.504	0.90	...	...	...	47.745	+6.686	-2	...	...	...	...	42.834	+19.732	0.65	B	...
...	53.995	-0.881	-5	M	...	...	47.632	+19.589	-5	M	...	...	...	42.753	-15.387	-4	...	...

ES measured from 1, 94, 215, 330, 434, 522, 605, 694, 766, 851, 917, 995.
 NM 45, 151, 263, 387, 484, 566, 654, 720, 801, 886, 960, 1022.

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240																	
181	-42.609	-3.978	0.70	...	...	241	-37.363	-18.136	-2	...	...	301	-32.463	+10.355	1.05	43.7819	9.6
...	42.578	-41.775	-5	...	...	...	37.155	+16.223	-2	M	...	...	32.451	+9.356	-5	M	...
...	42.532	-22.184	0.80	...	...	...	37.139	+13.128	0.85	...	...	...	32.391	-32.687	-5	...	...
...	42.328	-11.499	0.65	...	...	...	37.030	+27.384	-4	M	...	...	32.226	-42.882	0.80	...	...
...	42.295	-6.799	0.70	...	...	...	36.942	+18.575	0.70	...	...	...	32.217	+16.318	-5	M	...
...	-42.213	+26.061	-5	M	...	...	-36.903	-37.087	-3	...	...	...	-32.157	-15.292	-5	M	...
*	42.212	+18.080	1.00	43.7811	10.0	...	36.892	+40.194	-3	M	...	...	32.115	-14.699	-4	...	...
...	42.068	+27.971	-5	M	...	...	36.879	+6.655	-2	M	...	...	31.856	+8.916	0.70	B	...
...	42.050	-42.850	-5	...	...	...	36.792	+10.393	-2	M	...	...	31.759	+13.022	-5	M	...
...	42.026	-5.207	-5	M	...	...	36.748	+23.636	0.70	...	...	...	31.733	-6.664	0.65	...	...
191	-42.019	-11.134	-5	...	...	251	-36.379	-46.657	0.75	...	...	311	-31.655	+5.589	1.50	43.7821	9.2
*	41.993	-58.632	1.20	44.8177	9.6	...	36.272	+49.167	-5	M	...	...	31.617	+18.043	-4	M	...
...	41.924	-53.559	-5	...	...	*	35.836	-19.051	1.00	44.8183	9.8	*	31.545	+12.119	1.00	43.7822	10.0
...	41.912	+28.191	-5	M	...	...	35.748	-17.516	-5	...	...	...	31.520	-9.635	0.70	...	...
*	41.783	-18.579	1.40	44.8178	9.1	...	35.717	-18.543	-5	M	...	...	31.450	+10.658	0.65	B	...
...	-41.663	+28.843	-5	M	...	...	-35.698	-32.445	-5	...	...	...	-31.402	+12.613	0.65	B	...
...	41.662	-1.964	0.90	43.7812	10.0	...	35.665	-58.792	-1	...	...	...	31.387	-19.319	0.65	...	...
...	41.593	-19.535	0.70	...	...	...	35.644	-36.639	-4	...	...	...	31.356	+11.873	0.65	B	...
...	41.316	-5.169	0.90	...	...	...	35.605	-54.667	-1	...	...	...	31.340	+27.845	0.70	...	...
...	41.191	+20.929	-5	M	...	...	35.558	-18.646	0.70	...	...	...	31.079	+13.076	-5	M	...
201	-41.106	-24.189	1.00	44.8179	9.8	261	-35.405	-0.522	2.60	43.7818	7.8	321	-31.055	+41.208	-5	M	...
*	41.043	-16.503	-5	...	...	...	35.374	-41.015	-5	...	...	n †	31.023	-19.693	0.85	44.8187	9.8
*	40.994	+46.762	1.00	43.7814	9.8	†	35.232	-46.828	-4	...	...	...	31.009	+14.354	-3	M	...
*	40.878	+7.332	1.00	43.7813	10.0	†	35.197	-15.228	0.80	...	...	...	30.996	-24.952	0.65	...	...
...	40.854	+4.974	-4	M	...	...	34.988	+47.244	-4	M	...	n *	30.967	-19.891	1.00	44.8187	9.8
*	-40.794	-5.316	1.70	44.8180	9.0	...	-34.895	+1.301	0.70	...	...	*	-30.948	-45.307	1.90	44.8186	8.8
...	40.762	-47.256	-5	M	...	...	34.820	+5.948	0.80	...	...	*	30.940	+50.293	1.40	43.7823	9.6
...	40.624	+9.147	0.70	B	...	...	34.708	-51.633	-1	...	...	...	30.940	+50.293	1.40	43.7823	9.6
*	40.612	+51.598	1.40	43.7815	9.6	...	34.648	-42.697	-5	...	...	...	30.877	-27.402	0.70	...	...
...	40.538	+4.018	-5	M	...	...	34.631	-34.519	0.70	...	...	†	30.262	+20.424	-4	M	...
211	-40.532	+18.705	-5	M	...	271	-34.365	-22.134	-3	...	...	†	30.205	-25.924	0.90	44.8188	10.0
†	40.293	-24.295	0.75	...	...	...	34.261	+43.411	0.90	...	...	...	-30.202	-41.682	0.85	...	...
†	40.265	-8.265	0.95	44.8181	10.0	...	34.251	+6.167	0.75	...	...	...	30.153	+38.113	-5	M	...
†	40.249	+13.959	0.70	...	...	...	34.139	+52.346	0.70	...	...	...	30.066	-13.548	-4	...	...
...	40.229	-33.811	-5	...	...	...	34.125	-8.412	0.85	...	...	...	30.038	-38.938	-3	...	...
...	-40.087	+0.085	-2	M	...	...	-34.125	-49.521	-5	...	...	...	30.005	-19.467	-5	...	...
...	40.076	+44.006	0.70	...	...	...	34.074	+35.224	-5	M	...	...	-29.259	+17.459	0.65	A	...
...	40.073	+7.063	-4	M	...	...	34.004	-30.730	0.90	...	...	...	29.256	-19.353	-2	...	...
...	39.813	-5.633	-5	M	...	...	33.945	-13.125	-5	M	...	...	29.237	+38.780	-2	M	...
...	39.736	+53.830	-1	...	...	...	33.747	-17.996	0.70	...	...	...	29.237	+38.780	-2	M	...
221	-39.504	+15.336	-3	M	...	281	-33.665	-6.546	0.70	...	...	341	-29.090	+3.906	0.90	43.7824	10.0
...	39.491	-8.922	0.80	...	...	...	33.644	-5.127	-5	M	...	...	29.017	+18.156	0.70	...	...
*	39.244	-27.778	1.05	44.8182	9.8	...	33.605	+12.043	0.70	B	...	S †	29.000	+50.043	2.60	43.7827	7.4
*	39.216	+18.961	0.90	...	...	...	33.357	+42.336	0.70	...	...	†	28.999	-49.575	1.10	44.8189	9.6
...	39.109	-31.007	0.65	...	...	*	33.312	-32.549	1.00	44.8184	9.8	*	28.903	+6.545	1.05	43.7825	9.6
†	-39.083	+25.177	-5	M	...	...	-33.300	-24.221	0.70	...	...	*	-28.870	-2.588	0.90	44.8192	10.0
...	39.069	-27.878	-3	...	...	...	33.197	+7.852	0.75	...	...	...	28.840	-48.282	0.70	...	...
...	39.037	-51.599	-5	...	...	...	33.096	-4.742	-5	M	...	*	28.804	+20.666	0.90	43.7826	9.8
†	38.827	+40.057	-5	M	...	*	33.018	+46.890	1.00	...	...	...	28.758	-16.922	-2	...	...
...	38.625	-52.625	0.85	...	...	*	32.991	+35.991	0.95	...	...	...	28.615	+54.179	-5	M	...
231	-38.607	-26.776	-5	...	...	291	-32.990	-27.398	0.85	...	...	351	-28.535	-37.073	1.05	44.8191	9.6
...	38.454	-33.576	0.85	...	...	...	32.831	-24.951	0.70	...	...	*	28.472	+5.937	1.00	43.7828	9.8
...	38.153	-2.035	0.65	...	...	...	32.814	-38.758	-3	...	...	*	28.410	-5.533	1.00	44.8193	9.9
...	37.970	+27.465	0.75	...	...	...	32.766	-12.475	-5	...	...	n *	28.377	-55.537	1.05	44.8190	9.5
...	37.892	-31.801	0.80	...	...	...	32.739	+46.574	0.85	...	...	...	28.375	-35.594	-5	...	...
...	-37.852	+2.511	0.75	...	...	*	-32.715	-31.718	1.05	44.8185	9.8	n	-28.202	-55.485	0.90	44.8190	9.5
*	37.834	+28.398	1.05	43.7817	9.8	...	32.680	-20.673	-5	...	...	...	28.169	-8.599	0.90	44.8194	10.0
...	37.529	-54.776	0.75	...	...	...	32.628	+37.919	-1	D	...	*	28.159	+30.785	1.10	43.7829	9.6
*	37.493	-2.023	1.30	43.7816	9.5	...	32.573	+48.001	1.00	...	...	...	27.901	-37.091	-5	...	...
...	37.369	+31.443	0.80	...	...	*	32.548	+34.071	1.60	43.7820	9.2	...	27.871	+20.719	-3	M	...

322, 325. C.P.D., mass.

354, 356. C.P.D., mass.

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-420						421-480						481-540					
361	-27.649	+27.526	0.70	...	...	421	-22.283	+43.982	0.85	...	...	481	-15.626	+30.471	...	...	...
...	27.638	-26.715	-5	...	...	...	21.868	-54.799	1.50	44.8204	9.0	...	15.487	-34.214	0.70	...	...
...	27.513	+51.947	-5	M	...	*	21.764	-46.974	1.10	44.8205	9.8	...	15.381	-45.554	1.00	44.8221	9.8
*	27.496	-37.381	1.00	44.8196	9.8	...	21.579	+26.454	-5	M	...	...	15.238	-58.471	-3	...	...
*	27.346	-47.369	1.05	44.8195	9.6	*	21.554	+39.563	1.00	43.7837	9.6	S	15.151	+1.979	4.10	43.7841	7.3
*	-27.290	+28.250	0.90	43.7830	10.0	...	-21.166	+23.479	0.70	...	...	...	-15.042	-7.101	-5	M	...
...	27.106	+49.092	-5	M	...	...	21.158	+31.585	0.70	...	...	...	14.737	-34.822	-2	...	...
...	27.016	-4.583	-5	M	...	*	20.815	-30.538	1.00	44.8206	9.8	...	14.599	-37.958	0.65	...	...
...	26.972	-33.434	-3	...	...	...	20.791	+48.619	1.00	...	...	...	14.512	+11.707	-4	M	...
...	26.951	-33.531	0.85	44.8197	10.0	...	20.733	-15.772	0.65	...	...	...	14.312	-34.809	0.80	...	...
371	-26.602	+38.808	-5	M	...	431	-20.722	-47.105	-4	...	...	491	-14.240	-38.783	1.00	44.8222	9.8
*	26.576	-29.211	1.00	44.8198	10.0	*	20.423	-22.319	1.05	44.8208	9.6	...	14.174	-13.132	-5	M	...
...	26.467	+23.315	0.80	...	...	S	20.391	-50.647	1.50	44.8207	8.9	...	14.107	+27.536	-5	M	...
...	26.224	-21.220	0.85	44.8199	10.0	†	20.240	+20.742	-2	...	...	...	13.989	-4.579	0.70	...	...
...	26.134	-16.027	-3	...	...	...	20.158	-26.358	-3	...	...	*	13.923	-17.848	1.00	44.8223	9.8
...	-26.121	-26.432	-5	...	...	*	-20.093	-56.097	1.00	44.8209	9.8	...	-13.569	-23.692	-1	...	...
...	26.019	+21.387	-5	M	...	*	20.046	-26.254	1.30	44.8210	9.3	*	13.455	-6.584	1.00	44.8224	9.8
...	25.951	+53.628	-1	...	...	*	19.980	-15.186	2.80	44.8212	8.0	...	13.317	+45.693	0.70	...	...
...	25.928	+50.521	0.80	...	...	*	19.956	+49.239	1.00	43.7838	9.9	S	13.096	-14.070	2.90	44.8225	7.6
...	25.922	-13.218	-5	...	...	*	19.908	-19.958	1.20	44.8211	9.2	...	12.901	-22.317	0.70	...	...
381	-25.869	-0.179	-3	M	...	441	-19.842	+0.800	0.80	...	...	501	-12.690	+9.118	0.70	...	...
*	25.587	+55.644	0.95	43.7831	10.0	...	19.833	+22.816	0.65	...	...	...	12.613	-18.364	0.75	...	...
...	25.363	-24.410	-5	...	...	...	19.822	-27.401	-5	...	...	...	12.561	+59.800	0.90	42.7621	10.4
...	25.327	+3.747	-5	M	...	...	19.666	+8.016	-3	M	...	...	12.381	-48.121	0.65	...	...
†	25.280	+50.450	-5	M	...	...	19.574	+41.537	0.85	...	...	...	12.197	-40.621	0.70	...	...
†	-25.256	+37.357	-2	M	...	...	-19.190	+38.349	-4	...	...	...	-12.141	+19.629	0.65	B	...
†	25.222	+47.891	0.65	...	...	...	19.180	+21.861	-3	M	...	...	12.086	-47.001	0.70	...	...
...	25.063	+11.031	-4	M	...	...	18.966	+40.876	0.80	...	...	...	12.078	+15.875	0.65	B	...
...	24.988	+5.907	-5	M	...	*	18.870	-58.051	1.70	44.8213	9.2	*	11.896	+36.956	1.00	43.7842	9.9
...	24.868	+32.130	1.00	43.7832	10.0	...	18.828	+26.809	-5	M	...	...	11.787	-37.950	-5	...	...
391	-24.733	-17.640	1.00	44.8201	10.0	451	-18.658	-54.705	-3	...	...	511	-11.759	-30.924	-5	...	...
*	24.682	+37.530	-5	M	...	...	18.438	+10.082	0.70	...	...	*	11.640	+41.746	1.00	43.7843	10.0
...	24.614	-35.066	0.90	44.8200	9.9	...	18.415	-33.487	0.70	...	...	...	11.605	-52.360	0.85	44.8227	10.0
...	24.604	+27.305	0.70	B	...	...	18.330	-11.512	-4	...	...	...	11.535	+52.153	1.00	...	...
...	24.503	-44.755	-5	...	...	...	18.298	-11.645	-5	...	...	...	11.482	-39.727	0.80	44.8226	9.9
...	-24.468	+21.510	0.65	B	...	†	-18.287	+60.043	1.20	42.7614	9.8	†	-11.415	-59.121	-5	...	...
...	24.345	-17.612	-5	...	...	†	18.082	-43.536	-4	...	...	...	11.245	+35.417	0.85	...	...
...	24.276	+28.576	0.95	...	...	...	17.948	-14.838	-4	...	...	...	11.190	+42.051	0.75	...	...
...	24.253	-15.521	-5	...	...	...	17.866	-53.359	-5	...	...	...	10.981	-6.678	-5	M	...
...	24.216	-16.199	0.65	...	...	...	17.813	+4.545	0.70	...	...	*	10.551	+35.643	1.00	43.7844	10.0
401	-24.156	+41.216	-5	M	...	461	-17.748	+50.117	1.00	43.7839	9.9	521	-10.530	-24.295	0.80	...	...
†	24.002	+60.010	0.85	42.7612	10.4	†	17.718	-44.392	0.80	44.8214	10.0	...	10.219	+56.665	-5	M	...
...	23.992	+17.854	-4	M	...	...	17.636	+8.742	0.70	...	...	...	10.181	+24.796	-1	...	...
*	23.806	+14.746	1.00	43.7833	9.9	*	17.611	-26.595	1.20	44.8215	9.4	...	10.159	+18.814	-2	M	...
*	23.794	-50.665	1.00	44.8202	9.9	...	17.588	+38.763	-5	M	...	...	9.538	+49.124	-5	M	...
...	-23.634	+5.928	-5	M	...	...	-17.538	+17.046	0.70	...	...	*	-9.464	-18.184	1.15	44.8228	9.4
*	23.615	+36.155	1.40	43.7834	9.3	...	17.483	-7.438	-5	...	...	...	9.455	-49.411	-5	...	...
...	23.564	+58.306	0.70	...	...	*	17.396	-43.056	1.10	44.8216	9.5	...	9.409	+19.547	0.85	...	...
...	23.164	+42.082	0.70	...	...	*	17.301	-18.909	1.20	44.8218	9.4	*	9.137	-48.050	1.10	44.8229	9.6
...	23.016	-22.089	1.00	...	...	...	17.179	-32.249	-3	...	...	*	9.087	+56.390	1.10	43.7845	9.9
411	-22.925	+28.091	1.10	43.7835	9.5	471	-17.133	+55.262	-3	...	...	531	-8.799	-26.067	2.30	44.8230	8.0
*	22.901	-24.197	-5	...	...	*	17.023	+33.055	1.10	43.7840	9.6	...	8.723	+33.913	-5	M	...
...	22.868	+11.663	0.90	...	...	...	16.982	+57.268	-5	M	...	*	8.522	+30.832	0.90	43.7846	10.0
*	22.737	-30.018	1.00	44.8203	10.0	...	16.691	-28.667	0.90	...	...	*	8.418	+54.463	0.95	43.7847	10.0
...	22.731	+35.401	0.70	...	...	*	16.643	-24.954	1.00	44.8219	9.8	...	8.333	-42.186	-5	M	...
...	-22.714	-13.090	-5	M	...	...	-16.513	+38.256	-3	M	...	...	-8.276	-36.184	-4	M	...
†	22.649	-29.693	0.70	...	...	...	16.468	-5.919	-5	M	...	*	8.098	-8.039	0.95	43.7848	9.8
...	22.640	+45.965	-1	...	...	...	16.080	-18.704	0.90	44.8220	10.0	...	7.920	-10.816	0.70	...	...
*	22.425	+31.678	1.05	43.7836	9.8	...	16.049	-24.355	-5	...	...	...	7.908	+50.530	-1	...	...
...	22.312	+31.481	-4	M	...	...	15.969	+7.568	-5	M	...	...	7.884	+11.710	0.80	43.7849	10.0

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-600						601-660						661-720					
541	- 7.750	+ 4.644	- 5	° M	...	601	- 0.608	+ 48.643	- 4	° M	...	661	+ 5.634	- 38.473	0.70	°	...
...	7.686	- 42.445	- 5	...	...	...	0.532	+ 40.889	0.65	M	...	...	5.724	- 8.533	- 5	...	...
...	7.599	+ 26.646	- 5	M	...	...	0.508	- 40.744	1.00	44.8241	9.8	*	5.824	+ 51.854	1.05	43.7868	9.6
*	7.588	- 18.572	1.00	44.8231	9.6	...	0.481	- 34.367	0.70	...	...	...	6.232	- 12.582	0.70	...	...
...	7.493	+ 38.848	- 1	...	...	†	0.309	- 35.923	0.65	...	...	...	6.517	- 48.103	1.00	44.8248	9.6
...	- 7.347	+ 3.509	- 5	M	...	†	- 0.255	+ 59.287	1.60	42.7636	8.8	...	+ 6.560	+ 11.132	0.65	...	...
*	7.089	- 1.093	1.40	43.7850	9.3	†	0.250	+ 27.537	1.10	43.7859	9.4	...	6.621	- 44.225	- 5	...	...
*	7.043	- 17.821	1.20	44.8232	9.4	...	0.138	+ 45.125	- 2	M	...	...	6.629	- 11.831	0.70	...	...
...	7.020	- 57.531	- 3	...	...	...	0.036	+ 35.248	0.70	M	...	*	6.715	+ 3.560	1.00	43.7869	10.0
...	7.006	+ 9.423	- 5	M	...	...	- 0.016	+ 13.419	- 1	M	...	*	6.732	+ 26.339	1.00	43.7870	10.0
551	- 6.924	+ 8.319	- 5	M	...	611	+ 0.448	+ 53.893	- 3	M	...	671	+ 6.923	+ 48.068	- 1	...	...
†	6.787	+ 25.105	0.90	43.7851	9.8	...	0.610	+ 40.293	0.90	43.7860	10.0	*	6.926	+ 54.946	1.15	43.7872	9.6
...	6.773	- 30.424	- 3	...	...	...	0.780	+ 35.323	- 2	M	...	*	6.938	+ 18.393	1.00	43.7871	9.9
...	6.745	+ 25.598	- 5	M	...	*	0.819	+ 16.442	0.90	43.7861	9.9	*	7.082	+ 58.246	1.00	42.7643	10.4
...	6.242	- 27.368	- 3	...	...	...	0.826	+ 20.540	- 2	M	...	...	7.149	+ 51.306	0.70	...	...
...	- 6.193	- 31.185	- 5	...	...	+	0.850	+ 15.483	- 5	M	...	†	+ 7.149	+ 10.149	0.80	...	...
*	6.021	- 34.948	0.95	44.8233	9.8	...	0.850	+ 5.276	- 4	M	...	...	7.203	+ 6.183	- 5	...	...
...	5.903	- 27.044	- 2	...	...	...	1.147	+ 58.588	- 4	M	...	*	7.240	- 53.047	1.15	44.8249	9.5
*	5.822	- 21.630	1.00	44.8234	9.8	*	1.299	- 18.415	3.90	44.8242	7.5	...	7.388	+ 58.969	0.75	...	...
...	5.774	- 23.078	- 1	...	...	...	1.313	+ 22.160	0.85	...	...	*	7.573	+ 11.465	0.90	43.7873	9.8
561	- 5.588	+ 31.350	- 5	M	...	621	+ 1.411	+ 8.898	- 2	M	...	681	+ 7.778	+ 54.206	0.65	...	...
...	5.576	+ 46.883	- 5	M	...	...	1.536	+ 40.021	- 2	M	...	...	7.916	- 54.364	0.70	...	...
*	5.531	- 1.085	1.00	43.7852	10.0	...	1.567	- 54.122	- 5	...	...	...	7.951	- 58.376	- 5	...	...
*	5.501	+ 17.969	1.60	43.7853	9.1	...	1.710	- 27.656	- 5	...	...	...	8.121	- 22.903	0.75	...	...
*	5.411	+ 6.842	0.95	43.7854	9.9	*	1.718	+ 56.112	0.95	43.7862	10.0	...	8.136	- 5.906	0.80	...	...
...	- 5.246	- 18.702	0.65	...	...	+	1.730	+ 2.230	- 4	M	...	...	+ 8.352	- 29.156	- 5	...	...
...	5.226	- 29.304	0.85	44.8235	10.0	...	1.995	- 23.364	- 1	...	...	...	8.403	+ 58.818	0.65	...	...
...	4.860	+ 1.880	- 4	M m	...	...	2.062	+ 20.096	- 4	M	...	...	8.456	- 7.048	0.70	...	...
...	4.791	- 13.519	- 5	M m	...	...	2.280	+ 30.753	- 3	M	...	*	8.589	- 8.337	1.00	44.8250	9.9
...	4.766	- 10.343	0.65	...	...	...	2.362	+ 44.983	0.65	...	...	*	8.602	+ 12.203	1.05	43.7874	9.8
571	- 4.737	+ 49.250	1.50	43.7855	9.0	631	+ 2.404	+ 43.318	- 3	M	...	691	+ 8.851	- 43.623	0.65	...	...
S *	4.340	- 42.408	0.75	...	...	...	2.485	+ 18.100	1.80	43.7863	8.9	...	9.166	+ 56.484	0.85	...	...
...	4.331	+ 50.771	- 5	M	...	*	2.567	+ 55.884	1.25	43.7864	9.6	*	9.303	- 30.322	1.00	...	...
...	4.323	+ 53.258	- 5	M	...	...	2.951	- 38.717	0.65	...	...	...	9.751	+ 7.423	0.70	...	...
*	3.989	+ 44.003	1.40	43.7856	9.3	...	2.976	- 45.985	- 5	...	...	...	10.069	+ 23.253	- 5	...	...
...	- 3.966	- 35.477	0.70	...	...	+	2.980	+ 34.170	- 2	M	...	...	+ 10.515	- 10.769	- 5	...	...
*	3.693	- 35.833	1.60	44.8236	9.1	...	2.992	+ 20.246	0.90	43.7865	10.0	...	10.526	+ 14.249	- 1	...	...
...	3.547	+ 49.570	- 5	M	...	...	3.110	+ 37.662	- 1	M	...	...	10.926	- 49.374	- 5	...	...
...	3.494	- 16.548	0.70	...	...	...	3.209	- 54.520	0.90	...	...	...	11.042	- 36.252	0.90	...	...
...	3.120	+ 31.896	0.70	M	...	*	3.225	- 7.218	1.40	44.8243	9.2	*	11.122	+ 44.619	0.95	42.7875	10.0
581	- 3.099	+ 35.557	- 5	M m	...	641	+ 3.541	+ 47.646	- 1	M	...	701	+ 11.171	- 32.274	1.80	44.8251	8.8
...	3.046	- 5.252	- 5	M m	...	...	3.696	+ 34.752	0.95	43.7866	9.9	...	11.171	- 37.455	- 1	...	...
...	2.960	- 20.889	0.70	...	...	...	3.779	- 54.324	0.80	...	...	...	11.282	+ 5.527	0.75	...	...
...	2.924	- 44.248	0.80	...	...	...	3.830	+ 32.929	- 5	M	...	...	11.453	+ 27.622	- 2	...	...
...	2.882	+ 52.682	0.80	...	...	*	3.900	- 22.706	1.20	44.8244	9.3	*	11.521	+ 46.521	2.00	43.7876	8.4
...	- 2.742	+ 55.823	- 5	M	...	+	3.902	+ 32.847	- 5	M	...	...	+ 11.636	- 27.306	0.90	44.8252	10.0
*	2.517	+ 48.463	1.00	43.7857	9.9	...	3.906	+ 35.943	- 5	M	...	...	11.643	+ 39.160	0.70	...	...
...	2.503	- 57.510	1.05	44.8237	10.0	*	3.918	+ 37.101	0.95	43.7867	10.0	...	11.784	- 37.671	- 5	...	...
...	2.417	+ 11.158	- 5	M m	...	...	4.016	+ 8.664	- 5	M	...	...	11.864	- 31.523	0.70	...	...
...	2.211	+ 11.717	- 5	M m	...	...	4.060	- 25.613	- 5	...	...	...	12.188	- 14.892	0.75	...	...
591	- 2.077	- 56.734	1.00	44.8238	10.0	651	+ 4.278	- 50.210	1.15	44.8245	9.6	711	+ 12.222	+ 58.899	- 5	...	...
...	1.723	- 8.781	- 4	...	...	S *	4.290	- 33.881	2.00	44.8246	8.4	n	12.233	- 35.022	0.80	44.8253	9.1
*	1.662	- 14.028	1.00	44.8239	9.8	...	4.419	- 12.871	- 5	M	...	n*	12.235	- 35.142	1.20	...	...
...	1.516	- 32.320	0.70	...	...	†	4.667	- 37.511	1.00	44.8247	9.6	...	12.535	- 27.368	- 5	...	...
...	1.402	- 0.358	0.70	...	...	†	4.693	- 28.098	0.65	...	...	...	12.570	- 6.127	- 5	...	...
...	- 1.371	- 49.309	0.85	...	...	+	4.994	+ 9.333	0.70	M	...	...	+ 12.692	+ 46.094	0.90	...	...
...	1.295	- 40.012	- 4	...	...	...	5.058	- 43.309	0.70	...	...	...	12.718	+ 39.628	0.80	...	...
*	1.141	+ 25.856	1.80	43.7858	8.9	...	5.343	+ 13.868	- 4	M	...	...	12.737	+ 31.652	0.65	...	...
†	1.034	- 34.689	- 5	...	...	...	5.428	+ 53.216	0.70	...	...	...	12.944	+ 17.837	- 4	...	...
*	0.888	- 31.463	1.10	44.8240	9.3	...	5.566	- 52.983	- 5	...	...	...	13.304	+ 59.666	0.90	...	...

712, 713. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
721-780						781-840						841-900						
721	+13.521	-30.515	-5	...	...	781	+21.743	-41.247	-5	...	...	841	+28.649	-15.136	-4	...	...
...	13.631	+31.295	-5	m	...	...	22.174	+1.298	-4	...	...	...	28.671	-22.794	-5	...	...
...	13.782	+38.102	-4	...	...	...	22.225	+31.660	-5	...	...	...	28.761	-16.578	-4	...	...
*	13.850	-54.297	1.60	44.8254	9.2	*	22.283	+52.652	1.60	43.7886	9.4	...	29.047	-23.724	0.70	...	...
...	14.010	+50.529	-5	...	...	...	22.362	+42.608	0.75	...	...	...	29.126	-19.809	0.75	...	...
...	+14.118	-40.054	-3	...	...	...	+22.447	-54.049	0.80	...	...	...	+29.160	+42.267	0.85	...	...
*	14.301	+49.230	1.00	43.7877	9.8	...	22.652	-55.659	0.80	...	...	...	29.241	-12.666	0.80	...	...
...	14.343	-10.203	-5	...	...	*	22.689	-36.179	0.95	44.8263	9.8	...	29.426	+2.001	0.65	...	...
...	14.862	+36.131	0.70	...	...	...	22.834	-8.125	-5	...	...	...	29.518	+49.245	-5	...	...
...	15.077	-23.162	0.70	...	...	...	22.864	-30.111	0.70	...	...	...	29.543	-4.688	0.80	44.8271	10.0
731	+15.097	+53.640	1.00	43.7878	10.0	791	+22.942	+36.206	0.90	43.7887	9.9	851	+29.608	+44.332	-2	...	...
...	15.159	-47.015	0.95	44.8255	10.0	...	22.955	+22.525	-5	...	...	*	29.838	+51.787	1.50	43.7893	9.1
...	15.329	-28.645	-5	...	...	...	23.118	+18.388	-4	...	...	...	29.925	-20.393	-5	...	...
...	15.713	-19.605	0.70	...	...	...	23.226	+17.196	0.75	43.7888	10.0	...	29.994	-35.966	-5	...	...
...	15.824	+41.429	-5	...	...	*	23.519	-49.065	0.90	44.8264	9.8	...	30.148	-31.080	0.75	...	...
†	+15.875	-24.716	0.70	...	...	*	+23.634	-50.223	0.90	44.8265	10.0	...	+30.336	-8.731	0.85	44.8272	10.0
...	15.948	-25.869	-5	...	...	...	23.942	+56.768	-4	...	...	...	30.351	-2.484	-4	...	...
...	15.976	-11.735	0.95	...	...	...	24.040	+13.426	-5	m	...	...	30.506	+10.378	0.80	43.7894	10.0
*	16.076	-46.228	1.00	44.8257	9.8	...	24.231	-10.448	0.75	...	...	...	30.586	-46.936	-3	...	...
...	16.190	+24.326	0.95	43.7879	10.0	...	24.506	+26.985	0.75	...	...	...	30.596	-44.683	0.90	44.8273	10.0
741	+16.218	+24.571	0.65	...	...	801	+24.660	-20.110	1.05	44.8266	9.6	861	+30.626	-43.775	-5	...	...
...	16.267	+28.989	0.80	...	...	...	24.693	-27.472	0.75	...	...	...	30.781	-29.987	-4	...	...
...	16.322	-41.687	0.90	...	...	...	24.731	-27.867	0.90	...	...	...	30.937	+14.291	0.65	...	...
*	16.392	+31.034	1.50	43.7880	9.5	...	24.791	+47.755	0.70	...	...	...	31.474	+51.191	-5	...	...
...	17.027	+52.401	-5	...	...	...	24.884	+22.167	0.70	...	...	...	31.490	-13.531	0.65	...	...
...	+17.197	+0.728	0.70	...	...	*	+25.110	-13.698	1.05	44.8267	9.6	...	+31.814	-50.304	-5	...	...
...	17.244	-59.436	-4	...	...	...	25.126	+26.736	-1	...	...	...	31.852	-8.681	0.70	...	...
...	17.288	+3.111	0.80	...	...	...	25.217	+4.816	-5	...	...	...	32.020	-3.031	0.75	44.8274	10.0
...	17.556	+47.995	0.65	...	...	...	25.240	+10.914	-5	m	...	*	32.033	-41.792	1.05	...	...
...	17.566	+28.978	0.70	...	...	...	25.255	+45.802	0.65	...	...	...	32.059	-41.889	0.90	44.8275	9.4
751	+17.593	-39.222	0.80	...	...	811	+25.261	-48.146	-4	...	...	871	+32.246	+20.915	-3	...	...
*	17.706	+47.939	1.10	43.7881	9.8	*	25.612	+54.218	0.95	...	...	...	32.376	+36.229	0.65	...	...
...	17.771	+2.463	-5	...	...	...	25.733	+52.688	-3	...	...	...	32.597	-24.206	-2	...	...
...	17.858	-7.796	-3	...	...	*	25.787	+21.499	1.05	43.7889	10.0	...	32.715	+37.791	-5	...	...
...	18.037	+38.972	0.75	...	...	...	26.132	+28.500	-5	...	...	...	32.802	-20.130	0.70	...	...
...	+18.261	+48.648	0.65	...	...	...	+26.136	+9.272	0.85	...	...	...	+32.892	+21.756	0.80	...	...
*	18.301	+38.779	1.05	43.7882	9.6	*	26.379	-36.794	1.10	44.8268	9.6	...	33.023	+27.181	0.90	43.7895	10.0	
...	18.335	+8.335	0.90	...	...	...	26.392	-9.457	0.65	...	...	...	33.317	+37.900	-5	...	...
...	18.455	+19.509	0.70	...	...	...	26.455	-25.242	-5	...	...	...	33.353	-50.085	-5	...	...
*	18.487	-42.902	1.05	44.8258	9.8	...	26.489	-4.603	-1	...	...	...	33.443	-11.104	0.65	...	...
761	+18.890	+48.407	1.00	43.7883	10.0	821	+26.571	-21.944	0.80	...	...	881	+33.597	+4.718	-5	...	...
...	18.924	+4.622	-5	...	...	*	26.882	+51.112	1.20	43.7890	9.6	...	33.759	+26.774	-1	...	...
...	18.947	-26.759	-5	...	...	...	26.884	+32.617	0.70	...	...	...	33.816	-49.112	0.90	44.8276	10.0
...	19.090	-55.724	-5	...	...	...	27.087	-38.460	0.90	44.8269	10.0	...	34.094	+11.526	-5	...	...
...	19.186	+17.535	-5	...	...	...	27.124	+8.558	-5	m	...	...	34.220	+33.768	-3	...	...
...	+19.720	-22.513	0.90	44.8259	9.8	...	+27.170	-6.266	-5	†	+34.709	-29.749	0.80
...	19.736	+33.481	-5	27.204	+14.135	0.65	†	35.064	-29.708	0.70
...	19.785	-35.366	-5	27.210	+56.286	-5	35.614	-42.055	0.80
*	19.814	+19.320	1.05	43.7884	10.0	...	27.294	-44.793	-5	35.824	+3.375	-5	m	...
...	19.826	+11.491	0.80	*	27.441	-13.934	1.10	44.8270	9.4	35.840	-28.413	0.95	44.8277	10.0
771	+19.828	+51.851	0.80	...	...	831	+27.464	+1.478	-5	m	...	891	+35.892	-43.601	-5	...	...
...	19.844	-2.565	0.90	44.8260	10.0	...	27.486	-4.256	0.65	...	...	...	36.082	-26.264	0.65	...	...
*	20.416	+46.616	2.20	43.7885	8.2	*	28.276	+53.721	0.95	...	...	...	36.155	-7.515	0.85	...	...
...	20.521	+3.975	-5	...	...	...	28.307	-7.552	0.65	...	...	*	36.221	-21.187	1.00	44.8278	10.0
...	20.571	-2.273	-3	...	...	...	28.332	+36.965	0.90	43.7891	10.0	*	36.226	-17.515	1.00	44.8279	10.0
...	+20.588	+17.557	-4	...	...	...	+28.463	+17.025	0.65	...	...	...	+36.252	+6.320	0.70	...	...
*	20.602	-8.987	1.20	44.8261	9.3	...	28.477	-37.467	0.70	...	...	...	36.479	-26.731	0.75	...	...
...	21.361	+13.370	-1	...	...	...	28.493	-48.708	-5	...	...	...	36.607	-38.126	0.90	44.8280	10.0
...	21.423	+9.441	0.65	...	...	*	28.521	+24.255	1.00	43.7892	9.8	...	36.648	-11.318	-5	m	...
*	21.695	-35.141	0.90	44.8262	10.0	...	28.579	+7.642	0.85	...	...	...	36.858	-53.002	-4	...	...

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
901-950						951-1000						1001-1047					
901	...	...	...	...	...	951	...	...	...	...	...	1001	...	...	...	...	...
...	+36.928	-39.049	-4	...	...	...	+43.307	+27.569	-5	...	...	...	+50.659	-12.260	-4	...	...
...	36.930	+27.752	-5	...	...	...	43.464	-53.015	-5	...	...	...	N	50.830	+53.171	0.80	...
...	36.937	-20.828	0.75	...	...	...	43.522	+4.879	-3	...	...	...	N	50.882	+53.098	0.65	43.7908
S*	37.031	-25.903	4.20	44.8281	6.7	...	43.602	+28.974	-3	...	...	...	...	51.452	-44.102	-5	m
...	37.090	+48.782	0.70	...	...	...	43.634	+25.169	-5	...	...	...	...	51.462	-52.038	0.80	...
...	+37.145	-32.053	-5	...	...	*	+43.733	-43.534	1.20	44.8286	9.5	...	...	+51.547	+51.079	0.70	...
...	37.159	+36.118	2.00	43.7896	8.4	...	43.818	+48.848	-5	...	...	...	...	51.885	-22.244	0.85	44.8289
...	37.288	-3.647	-5	...	...	...	43.938	-32.702	-2	...	...	...	...	52.083	-15.337	-5	...
...	37.301	-27.309	0.65	...	...	*	44.386	+2.546	0.95	43.7902	10.0	e	...	52.139	-0.508	0.80	43.7909
...	37.936	-6.525	0.80	...	...	*	44.609	-5.182	1.00	44.8287	9.8	...	...	52.171	-26.281	0.70	...
911	...	...	...	...	...	961	...	...	...	...	...	1011	...	...	...	...	...
...	+37.984	-19.578	0.70	...	...	...	+44.687	-52.371	-3	...	...	...	...	+52.370	-19.297	-1	...
...	38.286	+5.852	0.90	...	...	...	44.749	-42.555	-5	...	...	...	...	52.547	-48.920	-5	...
...	38.434	+10.649	-5	m	...	...	44.853	+34.487	0.70	...	...	...	...	52.662	+38.736	-5	...
...	38.559	+39.426	0.70	...	...	...	45.122	+34.721	0.95	43.7903	10.0	*	...	53.012	-13.357	1.10	44.8290
...	38.978	-6.067	0.75	...	...	...	45.652	+8.423	-5	...	...	...	...	53.238	-47.897	-5	...
...	+39.021	+6.946	-5	m	...	...	+46.006	+3.318	0.70	...	...	...	...	+53.663	-12.969	0.75	...
...	39.591	-9.084	-3	...	...	...	46.016	+44.147	-5	...	...	...	...	53.872	-24.203	-5	...
...	40.163	+52.941	0.80	...	...	...	46.106	+44.478	-4	...	...	...	...	53.904	+23.598	0.65	43.7911
...	40.195	+42.266	-5	...	...	...	46.147	+59.529	-5	...	...	...	...	54.101	-6.976	-5	...
...	40.264	-5.254	-2	...	...	...	46.316	-57.213	-4	...	...	...	...	54.244	+53.220	0.65	d
921	...	...	...	...	...	971	...	...	...	...	...	1021	...	...	...	...	...
...	+40.377	-13.924	-2	...	...	...	+46.441	+2.308	0.75	43.7905	10.0	*	...	+54.411	+43.727	1.10	43.7910
...	40.455	+38.238	-5	...	...	*	46.471	+18.414	1.00	43.7904	10.0	†	...	54.645	+53.148	8.00	43.7912
*	40.496	-50.476	1.50	44.8282	9.3	...	46.473	+54.641	-4	...	...	...	...	54.638	+0.742	0.90	43.7913
*	40.621	+26.057	1.15	43.7897	9.6	...	46.594	-15.211	0.85	...	...	...	...	54.979	+11.019	-5	...
...	40.942	+39.330	-5	...	...	...	46.607	+38.536	0.65	...	...	...	...	55.311	+1.981	0.90	...
...	+41.101	-9.177	0.65	...	...	...	+46.629	-12.049	-4	...	...	*	...	+55.433	-22.408	1.00	44.8291
...	41.124	-18.969	-2	...	...	...	46.756	-54.406	-5	...	...	...	...	55.522	+23.710	0.85	43.7914
...	41.563	-15.946	-2	...	...	...	46.757	-5.787	1.05	44.8288	9.5	*	...	55.765	+37.503	1.80	43.7915
...	41.592	+1.632	-2	...	...	...	46.805	+20.965	0.70	...	...	...	...	55.863	-19.339	0.70	...
...	41.596	-45.280	-3	...	...	...	46.910	+34.254	0.85	...	...	*	...	56.156	-54.150	1.10	44.8292
931	...	...	...	...	...	981	...	...	...	...	...	1031	...	...	...	...	...
...	+41.630	+55.936	-1	...	...	...	+47.454	+37.932	0.70	...	...	...	...	+56.209	+36.328	0.80	...
...	41.883	+14.163	-4	...	...	...	47.526	-15.919	-1	...	...	...	...	56.218	+20.039	0.70	...
*	41.949	-27.566	0.90	44.8283	10.0	...	47.596	-0.634	0.65	...	...	...	...	56.317	+33.313	0.70	...
...	42.282	+11.858	0.90	43.7898	10.0	...	48.140	-29.943	-5	...	...	...	...	56.473	+31.329	-5	...
...	42.300	+54.281	-5	...	...	...	48.412	-51.444	-5	...	...	...	...	56.812	+3.689	0.70	...
...	+42.334	+45.275	-1	...	...	...	+48.507	-50.977	0.70	...	...	...	...	+56.956	+33.860	0.70	...
...	42.371	+10.760	-5	...	...	...	48.599	+54.706	0.90	43.7906	10.0	...	...	57.254	-28.936	0.65	...
n*	42.621	-8.792	1.10	44.8284	9.1	...	48.781	-8.774	-4	...	...	...	...	57.297	+23.084	0.75	...
S*	42.623	+37.949	2.20	43.7899	8.2	...	48.841	+3.811	-5	m	...	...	...	57.730	+51.150	-5	...
...	42.657	+46.902	-1	...	...	...	49.921	+12.647	0.70	...	...	...	...	58.002	+29.089	-5	...
941	...	...	...	...	...	991	...	...	...	...	...	1041	...	...	...	...	...
n	+42.682	-8.856	0.90	44.8284	9.1	...	+49.028	-47.782	1.00	...	...	...	...	+58.111	+43.983	-4	...
...	42.795	+43.766	0.90	43.7900	10.0	...	49.100	+0.424	0.85	43.7907	10.0	...	...	58.298	-8.379	-1	...
...	42.806	-10.443	-5	m	...	...	49.209	+17.463	-5	e	...	...	...	58.374	-16.564	-5	...
...	42.822	+19.551	-2	...	...	...	49.293	-18.975	-5	m	...	...	...	58.647	+37.364	-5	...
*	42.828	+59.103	1.25	42.7668	10.4	†	49.538	-12.600	-5	...	...	...	...	58.765	-0.213	1.10	43.7917
...	+42.869	+36.582	0.85	...	...	†	+49.544	+24.994	0.70	...	...	...	...	+58.847	-34.423	0.75	...
...	42.933	+10.265	-2	...	...	†	49.573	+36.371	-2	...	...	...	...	58.852	+41.570	1.60	43.7916
...	43.231	-47.887	-5	...	...	...	50.312	-26.666	-5	...	...	...	...	...	...	...	...
S*	43.289	+1.436	1.90	43.7901	8.7	...	50.315	+20.499	-2	...	...	...	...	...	...	...	...
*	43.301	-33.461	1.80	44.8285	8.9	...	50.585	-29.986	-2	...	...	...	...	...	...	...	...

938, 941. C.P.D., mass.

1002, 1003. 43° 103, two stars; 44° 104, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-60						61-120						121-180						
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-59.921	-16.110	-5	...	...	...	-49.809	-28.813	-4	...	...	...	-38.139	+34.159	-5	...	...
...	59.895	-57.416	-5	...	...	...	49.389	-8.254	-5	...	...	...	S*	37.849	-36.732	1.70	44.8301	8.9
...	59.473	+36.222	-4	...	...	E*	49.172	-0.087	1.60	43.7917	9.3	...	...	37.584	-52.736	-3	...	...
...	59.397	+12.487	-3	...	...	...	49.057	-16.427	-5	...	...	...	...	37.440	+43.199	-2	...	...
...	59.247	+17.298	-5	E	...	...	48.895	+49.001	-5	...	...	...	...	37.300	+48.117	-3	...	...
...	-59.156	+24.829	0.75	...	...	*	-48.182	+21.667	1.90	43.7918	9.2	...	...	-37.043	-40.642	-3	...	...
...	59.089	-5.242	-5	M	...	*	48.065	-7.594	1.05	44.8293	9.8	...	...	36.915	-47.056	-4	...	...
...	58.890	-30.106	-5	...	...	...	48.052	-3.229	-2	...	...	...	...	36.057	-50.822	-4	...	...
...	58.887	-8.933	-5	...	...	...	48.048	-34.264	-1	...	...	...	...	36.040	-6.521	-5	...	...
...	58.853	+0.265	0.75	43.7907	10.0	...	47.479	-56.665	-5	...	...	...	...	35.973	+4.897	0.65	43.7928	10.0
11	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...	...
N	-58.691	+53.023	0.90	43.7908	10.0	...	-47.173	+46.981	-3	...	...	...	-35.757	-1.615	-3	...	...	...
...	58.396	+17.207	-5	M	...	...	47.145	+30.362	0.80	43.7919	10.0	...	...	35.220	-43.369	-4	...	...
...	58.241	+20.368	-4	...	...	...	46.615	-22.497	-5	...	...	...	...	35.121	+4.270	-1	...	...
...	58.022	-12.733	-4	...	...	*	46.449	-28.192	1.40	44.8295	9.3	*	...	35.035	-19.630	1.00	44.8302	9.6
...	57.950	+50.970	-1	...	...	*	46.378	-23.566	1.60	44.8296	9.4	...	...	35.025	-59.491	-5	...	...
...	-57.882	-51.124	0.65	...	...	...	-46.330	+38.606	-4	...	...	...	...	-34.730	+44.753	-4	M	...
...	57.460	-47.925	0.90	...	...	...	46.202	-55.108	-1	...	...	...	...	34.730	-17.579	-2	...	...
...	56.947	+42.415	-5	...	...	...	45.969	+14.517	-5	...	...	...	...	34.718	+55.603	0.95	43.7929	10.0
...	56.902	-12.363	-5	...	...	*	45.918	+24.286	0.85	...	...	...	...	34.237	+38.475	-4	...	...
...	56.819	-26.766	-5	...	...	*	45.758	+27.532	0.95	43.7921	9.8	...	...	33.888	+4.159	-2	...	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...	...
...	-56.447	+38.674	-4	...	...	+	-45.408	+0.119	1.20	43.7920	9.6	...	-33.656	+40.433	-3	...	...	...
...	56.441	-30.084	-3	...	...	...	44.721	-17.015	-3	44.8298	10.0	...	...	33.323	-28.205	-1	44.8303	10.0
E	55.780	-0.574	0.80	43.7909	10.0	...	44.580	+14.708	-4	...	...	...	...	33.241	-16.156	-5	...	...
...	55.706	+37.756	-5	M	...	...	44.372	-14.164	-1	...	...	...	...	33.185	-28.092	-5	...	...
...	55.373	-22.306	0.80	44.8289	10.0	...	43.961	-14.075	-4	...	...	...	...	33.135	+9.784	-5	...	...
†	-54.981	-19.333	-3	...	...	...	-43.311	-3.949	-5	...	...	...	...	-32.944	-53.048	-5	...	...
...	54.966	-26.324	-3	...	...	...	42.909	-3.787	-4	...	...	...	...	32.941	-17.581	-3	...	...
...	54.889	-52.095	0.70	...	...	...	42.886	-36.290	-4	...	...	...	...	32.816	+22.230	-3	...	...
+	54.879	+53.140	7.00	43.7912	5.0	...	42.715	-6.803	0.65	...	...	...	...	32.796	-50.607	-4	...	...
*	54.842	+43.714	1.15	43.7910	9.8	...	42.467	+35.979	-3	...	...	...	...	32.780	-22.147	-3	...	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...	...
...	-54.740	+23.587	0.65	43.7911	10.0	...	-42.266	-7.663	0.65	...	...	...	-32.275	+49.678	-3	...	...	...
*	54.521	-13.381	1.15	44.8290	9.5	*	42.159	+1.050	0.90	43.7922	10.0	*	...	31.841	-55.668	1.00	44.8305	9.8
...	54.010	+52.215	-5	...	...	...	42.125	-32.823	-4	...	...	...	...	31.751	-16.073	-4	...	...
...	53.913	-48.920	-5	...	...	...	41.873	+58.329	-5	...	...	...	...	31.716	-33.485	-4	...	...
...	53.887	-12.979	-1	...	...	*	41.730	+40.842	1.60	43.7923	9.2	...	...	31.700	+6.928	-4	...	...
...	-53.617	-6.979	-5	...	...	...	-41.642	-35.665	-5	...	...	...	...	-31.560	-8.440	-2	...	...
...	53.326	+0.759	0.90	43.7913	10.0	...	41.592	+44.267	-4	...	...	...	...	31.552	-2.419	0.90	44.8306	10.0
...	53.315	+11.042	-5	...	...	...	41.488	-19.729	-3	...	...	...	...	31.032	+59.085	-4	...	...
*	53.296	+37.536	2.20	43.7915	8.6	...	41.414	+41.996	-1	...	...	...	...	30.567	-39.691	-5	...	...
...	53.229	-47.895	-5	...	...	...	41.408	+31.665	-5	...	...	...	...	30.210	-49.857	-4	...	...
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...	...
...	-53.129	+23.742	0.75	43.7914	10.0	*	-41.243	+6.553	1.20	43.7924	9.6	S	...	-30.126	+28.795	2.25	43.7930	8.5
...	52.832	+36.376	-3	...	...	...	41.168	+12.768	-4	...	...	+	...	30.095	+34.108	1.20	43.7931	9.5
...	52.680	+2.011	0.80	...	...	...	41.071	+24.550	0.80	43.7925	10.0	*	...	29.938	+37.779	1.10	43.7932	9.6
...	52.643	+33.359	-3	...	...	+	40.960	-39.852	0.95	44.8299	9.8	...	...	29.914	-2.150	-5	...	...
...	52.429	+31.380	-5	...	...	...	40.746	-54.436	-4	...	...	...	...	29.791	-54.860	-4	...	...
...	-52.344	+20.098	-2	...	...	...	-40.730	+40.344	-5	...	...	...	...	-29.721	-13.994	-5	...	...
...	52.015	+33.920	-3	...	...	...	40.630	-22.216	-5	...	...	...	...	29.709	+0.950	-4	...	...
...	51.962	+53.406	-5	...	...	...	40.367	+42.977	-5	...	...	...	...	29.672	-1.501	-5	...	...
...	51.943	-56.852	-5	...	...	+	40.118	-19.358	-2	...	...	...	...	29.604	-8.423	-5	...	...
*	51.840	-22.348	1.05	44.8291	9.6	*	39.886	+17.197	1.40	43.7926	9.2	...	...	29.524	+38.966	-3	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...	...
...	-51.763	+51.233	-3	...	...	...	-39.704	-34.257	-5	...	...	†	...	-29.494	+34.924	-4	...	...
...	51.492	-19.273	-3	...	...	...	39.467	-10.561	-4	...	...	+	...	29.275	-47.423	-5	...	...
...	51.348	+23.167	-3	...	...	...	39.178	+32.312	-4	...	...	...	...	29.272	+59.129	0.65	...	...
...	51.243	+3.766	-4	...	...	...	38.879	-47.817	-2	...	...	*	...	29.116	-34.308	1.05	44.8307	9.5
...	51.164	+44.072	-4	...	...	*	38.795	+17.302	1.20	43.7927	9.4	*	...	28.876	-55.840	1.05	43.7933	9.9
...	-50.993	+33.861	-5	...	...	*	-38.511	-43.383	0.90	44.8300	9.8	...	...	28.758	-38.550	-3	...	...
...	50.825	+29.189	-5	...	...	...	38.434	+1.421	-4	...	...	...	...	28.713	-33.476	-5	...	...
...	50.437	+37.475	-5	...	...	...	38.432	+7.083	-2	...	...	...	...	28.704	-12.596	0.70	...	...
*	50.342	+41.686	2.00	43.7916	9.0	...	38.160	-11.380	-5	...	...	*	...	28.666	-29.560	1.15	44.8308	9.5
†	50.155	-54.072	1.20	44.8292	9.5	...	38.154	+6.098	-2	...	...	...	...	28.662	-49.683	-5	B	...

ES measured from 1, 163, 357, 538.
MC " " 82, 274, 438, 684.

11. Mass. 43, 103, 44, 103, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-28°502	-7°839	-5	...	...	241	-19°912	-25°760	1·80	44·8322	9·3	301	-10°082	-55°170	-4	...	...
...	28°482	-25°382	0·95	44·8309	9·8	†	19°722	+39°933	0·70	...	...	...	9°929	+57°035	-3	...	...
...	27°982	-19°273	-3	...	...	...	19°652	+21°908	-5	...	...	...	9°428	-22°703	0·90	44·8329	9·8
...	27°855	-11°785	0·80	44·8310	10·0	...	19°493	-0°564	-5	...	...	*	9°010	+8°284	1·20	43·7947	9·6
...	27°802	-46°282	-5	...	...	...	19°313	-0°882	-4	...	...	...	8°996	+39°837	-3	...	...
*	-27°559	+43°948	0·95	43·7934	10·0	...	-19°284	-12°063	-5	...	...	...	-8°937	+24°727	-1	...	...
...	27°509	+44°641	-2	...	...	...	19°159	-4°395	-5	...	...	...	8°925	-47°621	-3	...	...
...	27°299	+21°748	-5	...	...	...	19°016	-23°327	-5	...	...	...	8°891	+15°759	-3	...	...
...	27°200	+8°464	0·75	...	...	...	18°795	-49°197	-1	...	...	...	8°836	+42°130	0·80	...	...
...	27°150	+21°537	0·85	43·7935	10·0	...	18°692	-21°068	-3	...	...	...	8°433	-44°908	-4	...	...
191	-27°142	-50°725	-5	...	...	251	-18°545	+26°028	0·70	...	...	311	-8°218	-17°145	-5	...	...
...	26°807	-8°421	0·95	44·8312	10·0	*	18°513	-40°362	1·00	44·8323	9·8	...	7°979	-45°432	-4	...	...
...	26°708	-25°971	-4	...	...	...	18°423	-29°404	-5	...	...	...	7°734	-22°285	-4	...	...
...	26°693	+38°890	-4	...	...	...	18°316	-59°014	-4	...	...	...	7°627	+46°507	-4	...	...
...	26°571	+51°087	0·80	...	...	*	17°852	-17°246	1·20	44·8324	9·6	*	7°519	-38°888	3·40	44·8330	8·4
*	-26°488	-44°000	1·80	44·8311	9·1	...	-17°522	-56°963	-5	...	...	...	-7°495	-50°538	0·65	...	...
...	26°436	+33°683	-5	...	...	...	17°450	-56°998	-4	...	...	...	7°217	-49°919	-4	...	...
...	26°309	+3°586	-2	...	...	...	17°280	+17°928	-3	...	...	...	7°150	+44°090	-5	...	...
...	26°218	+20°154	-5	...	...	*	17°172	+50°556	1·20	43·7940	9·4	...	6°760	-40°580	-4	...	...
*	26°168	-20°494	1·90	44·8313	8·9	...	17°164	-1°823	0·80	43·7939	10·0	n	6°555	+13°010	-3	43·7948	10·0
201	-26°152	+27°604	-3	...	...	261	-16°857	-27°727	-5	...	...	321	-6°542	+23°287	-1	...	...
...	26°087	-20°607	-3	...	...	...	16°837	-21°289	-3	...	...	n	6°397	+13°228	-1	43·7948	10·0
...	25°723	+42°445	-5	...	...	...	16°830	+57°128	-5	M	...	...	6°314	+46°683	0·70	...	...
...	25°512	-43°752	-5	...	...	*	16°765	+56°644	0·90	...	...	...	6°006	+50°072	-5	...	...
...	25°460	+10°320	-5	...	...	...	16°550	+29°487	-4	...	...	Mf	5°770	+0°559	0·90	43·7949	9·8
...	-25°371	+54°354	0·65	...	...	...	-16°402	+26°728	-5	...	...	...	-5°627	+57°636	-1	...	...
...	25°232	-34°111	-4	...	...	...	16°330	-36°988	-5	...	...	...	5°395	-5°818	-4	...	...
†	25°220	-33°989	1·60	44·8314	9·0	...	15°740	+1°305	-5	...	...	†	5°197	-55°404	-5	...	...
...	25°194	-1°911	-4	...	...	...	15°655	-3°001	-3	...	...	...	5°059	+26°085	-4	m	...
†	25°183	-21°216	-4	...	...	*	15°453	-15°991	1·80	44·8325	9·3	...	4°812	+29°451	-4	m	...
211	-25°180	-36°161	-4	...	...	271	-15°370	+51°248	0·80	43·7941	10·0	331	-4°582	-45°361	-4	...	...
...	24°963	-52°098	-5	...	...	...	15°331	-58°377	-5	...	...	...	4°328	-12°131	-2	...	...
...	24°897	+14°418	-5	...	...	...	15°235	-22°483	-2	...	...	*	4°068	+43°662	1·20	43·7950	9·5
*	24°799	-31°239	1·05	44·8315	9·8	...	15°026	+47°572	-2	...	...	*	3°993	-23°967	1·30	44·8331	9·6
*	24°269	-12°101	1·60	44·8316	9·4	...	14°810	+36°485	-5	...	...	...	3°615	+19°707	-4	m	...
...	-24°257	-10°959	0·65	44·8317	10·0	...	-14°799	+56°589	-5	...	...	...	-3°471	+53°743	0·85	...	...
...	24°165	+7°246	-3	...	...	...	14°659	+29°565	-4	...	...	...	3°250	-35°364	-5	...	...
...	23°972	+31°689	-5	...	...	...	14°240	+38°425	-3	...	...	...	3°177	+33°144	-5	m	...
...	23°712	-22°974	-5	...	...	*	14°006	+9°506	1·40	43·7942	9·3	...	2°545	+2°074	-2	43·7951	10·0
...	23°698	-55°839	-5	...	...	...	13°976	+50°536	-4	...	...	*	2°329	-2°338	1·00	44·8332	9·9
221	-23°569	+38°736	-5	...	...	281	-13°853	-7°650	-1	44·8326	9·8	341	-2°307	+28°321	-3	m	...
...	23°367	+14°536	-5	...	...	...	13°276	+58°747	-5	...	...	S †	2°049	-39°957	5·00	44·8333	7·4
...	23°143	-12°786	-1	...	...	†	12°871	+39°918	1·40	43·7943	9·2	...	1°822	+38°633	-3	m	...
†	22°907	+34°995	-2	...	...	...	12°416	+58°405	-3	...	...	...	1°758	+57°581	0·80	...	...
...	22°819	+25°160	-5	...	...	...	12°374	-59°242	-5	...	...	...	1°755	-29°725	-1	...	...
...	-22°485	+40°636	-5	...	...	...	-12°323	+52°296	-2	...	...	*	-1°443	+46°162	0·90	43·7952	10·0
*	22°472	-52°858	1·10	44·8318	9·6	...	12°224	-40°308	-5	...	...	...	1°438	+20°295	0·75	...	...
...	22°224	+53°247	-5	...	...	...	12°159	-3°588	-3	...	...	...	1°262	-11°225	-4	...	...
*	21°847	-1°229	1·25	43·7936	9·6	...	12°142	-43°503	-5	...	...	...	1°137	-48°005	-4	...	...
...	21°700	+16°079	0·65	43·7937	10·0	...	11°730	-48°610	-4	...	...	...	1°099	+31°951	0·90	43·7953	9·8
231	-21°682	+16°289	-3	...	...	291	-11°706	+14°154	-1	43·7944	9·8	351	-1°089	-43°174	-4	...	...
...	21°472	-22°437	-4	...	...	...	11°638	-46°095	-4	...	...	...	0°691	+48°799	-5	m	...
S *	21°073	-17°446	2·00	44·8319	8·6	*	11°575	+30°893	1·10	43·7945	9·6	...	0°373	-42°943	-1	44·8334	10·0
...	21°014	-52°231	-1	...	...	...	11°319	-19°399	-3	44·8327	9·8	...	0°365	+55°431	-5	m	...
...	20°971	+30°118	-2	...	...	...	11°220	-17°028	1·80	44·8328	9·0	...	0°331	-42°123	-4	...	...
...	-20°784	-35°788	-5	...	...	...	-11°056	+48°559	-2	...	...	...	-0°242	+45°001	-1	m	...
*	20°724	-47°451	0·95	44·8320	9·8	...	10°704	-45°197	-3	...	...	...	0°125	-29°481	-5	...	...
*	20°576	+20°145	0·95	43·7938	9·9	*	10°652	+1°559	1·40	43·7946	9·3	...	-0°055	+42°643	-5	m	...
*	20°405	-41°033	0·95	44·8321	9·9	...	10°308	-34°746	-5	...	...	...	+0°303	+33°644	-5	Mm	...
...	20°060	-7°183	-5	...	...	...	10°246	-19°698	-5	...	...	...	0°366	+50°426	-5	m	...

320, 322. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.				
361-420						421-480						481-540									
361	+	0.372	-12.810	0.85	44.8335	9.9	...	+	9.840	-59.010	-5	...	...	+	21.520	-26.421	-2	...	...
...	...	0.778	+44.444	0.80	43.7954	10.0	...	↑	9.846	-4.408	-2	...	...	...	21.554	-33.085	0.70	44.8356	10.0	
...	...	0.843	+12.083	0.75	43.7955	10.0	...	...	9.933	+29.240	-1	...	...	...	21.604	-13.723	-4	...	...
...	...	1.059	-4.341	-4	m	...	...	...	10.043	-28.239	-5	...	...	*	22.063	+44.088	0.85	43.7975	10.0	
...	...	1.087	+0.973	-1	m	...	...	...	10.911	+10.463	-5	m	...	...	22.232	+0.231	-4	m	...	
...	+	1.106	-59.283	-4	...	...	...	...	+11.735	-43.336	0.75	...	...	...	+22.463	+44.285	-4	m	...	
...	...	1.224	-39.209	-3	M	...	...	...	12.465	+54.244	-5	m	...	...	22.662	+13.579	-2	...	...
...	...	1.306	-52.033	-5	...	...	...	...	12.798	+33.152	-3	b	...	...	23.040	+38.400	-4	m	...	
...	...	1.356	-48.446	0.90	44.8336	10.0	...	...	12.864	+59.387	0.65	...	...	*	23.107	-42.866	1.30	44.8357	9.4	
...	...	1.755	-8.039	-4	...	...	...	...	13.643	-41.464	0.85	44.8349	10.0	...	23.175	-42.150	-5	...	...
371	*	+	1.906	-27.154	1.10	44.8337	9.8	431	↑	+14.277	-5.005	0.65	44.8350	10.0	491	+	23.266	-16.007	-3
...	*	...	2.291	+38.177	1.15	43.7956	9.6	...	...	14.405	-14.713	0.70	...	...	S*	23.286	-7.029	4.40	44.8358	7.3
...	2.303	-15.406	-3	...	...	...	...	14.586	+41.088	0.80	...	...	...	23.416	+57.024	-1	...	...
...	+	...	2.525	-39.952	2.60	44.8338	8.2	...	...	14.591	+28.084	-5	m	...	...	23.644	+50.673	-4	m	...
...	2.590	-53.617	-5	...	...	...	...	14.610	-37.949	0.70	...	...	*	24.036	-36.193	1.20	44.8359	9.4	
S*	+	...	2.730	+13.011	1.60	43.7957	9.1	...	...	+14.690	+8.345	0.70	...	...	*	+24.262	+1.578	1.20	43.7976	9.4
...	2.741	+51.251	-5	m	...	...	...	14.734	+50.167	0.90	43.7967	10.0	...	24.340	-30.493	-3	...	...
...	2.815	-40.596	-4	...	...	...	...	14.927	-11.028	-5	...	...	...	24.525	+35.481	-5	m	...	
...	2.816	+36.813	-3	m	...	...	...	14.973	+44.069	-1	...	...	...	24.657	+46.944	0.75	...	...
...	2.895	-15.045	-3	...	...	...	...	15.096	+49.103	-5	m	...	...	25.061	-32.642	-3	...	...
381	...	+	2.935	-11.536	-5	441	...	+15.117	+4.567	-5	m	...	501	+	25.126	+34.798	-5	m	...
...	3.088	+47.952	-4	m	...	N	...	15.263	-38.582	-5	...	...	...	25.141	+4.825	-5	m	...	
...	3.179	-13.610	0.90	44.8340	9.9	S*	...	15.749	-44.565	2.70	44.8351	8.5	...	25.236	-54.761	-3	...	...
...	+	...	3.184	-29.976	1.30	44.8339	9.5	...	...	15.764	+5.157	1.40	43.7968	9.4	...	25.737	+41.732	0.65	...	...
...	3.275	+29.315	-4	m	...	...	...	15.847	-32.166	-5	...	...	...	25.791	+9.871	-4	m	...	
...	+	...	3.608	-45.363	-5	...	...	↑	...	+16.061	+14.925	0.65	43.7969	10.0	...	+25.970	+49.758	-5	m	...
...	3.869	+38.159	-3	m	...	*	...	16.446	-13.849	1.50	44.8352	9.0	...	26.044	-1.689	-4	...	...
...	+	...	3.894	-39.790	1.30	44.8341	9.3	...	...	16.584	+27.682	-4	m	...	...	26.126	-57.157	-1	44.8360	9.9
...	4.022	+42.397	1.90	43.7959	9.0	...	...	16.703	-49.656	-3	...	...	...	26.136	+30.272	-5	m	...	
...	4.035	+33.116	-5	m	...	...	...	16.789	-44.220	0.80	44.8353	9.8	...	26.199	+52.317	-4	m	...	
391	...	+	4.119	+5.463	0.70	43.7958	10.0	451	*	+16.825	-1.295	6.00	43.7970	6.5	511	...	+26.205	+9.076	-5	m	...
...	4.443	+32.711	-2	...	...	...	...	16.840	-56.229	-4	...	...	...	26.360	+17.311	-5	m	...	
...	4.569	+20.904	-5	m	...	...	...	17.003	-3.638	-5	...	...	...	26.375	+10.380	-5	m	...	
...	↑	...	4.773	+30.228	0.85	43.7960	10.0	...	...	17.076	+37.660	-5	m	...	*	26.552	+59.163	1.00	42.7723	9.9
...	4.904	+20.786	-5	m	...	...	...	17.090	+6.081	-5	m	...	...	26.641	+38.752	-3	b	...	
...	+	...	5.040	-24.664	-4	...	...	...	...	+17.543	+37.252	-5	m	...	...	+26.712	+10.606	-2	...	...
...	5.363	+28.848	1.25	43.7961	9.3	...	...	17.592	-15.344	-5	...	...	...	26.722	+40.657	-4	m	...	
...	5.535	+11.367	2.00	43.7962	8.9	...	...	17.721	-46.445	-1	...	...	...	26.919	-29.403	-3	...	...
...	5.815	-15.986	2.50	44.8343	8.6	...	...	17.725	-13.441	-5	...	...	...	26.996	-26.812	-2	...	...
...	5.847	-48.446	-4	...	...	...	...	17.779	+38.367	-5	m	...	...	27.032	+39.561	-3	...	...
401	...	+	6.104	+53.230	-5	m	...	461	...	+17.899	-12.951	-1	44.8354	10.0	521	...	+27.033	-42.930	-5
...	*	...	6.179	+25.815	0.90	43.7963	10.0	...	...	18.036	-30.785	-5	...	...	...	27.096	+57.089	-4	m	...
...	6.187	-45.274	0.65	...	...	...	...	18.336	+56.343	-2	...	...	*	27.114	+29.499	1.00	43.7977	9.9	
...	6.262	+20.956	-5	m	...	...	...	18.612	+12.295	-3	...	...	...	27.367	-49.887	-5	...	...
...	6.276	+52.824	-3	18.747	+30.709	-4	m	*	27.529	-12.429	1.20	44.8361	9.6
...	*	+	6.311	-9.716	1.10	44.8344	9.6	+18.818	+38.607	-5	m	*	+27.793	+5.435	1.50	43.7978	9.2
...	7.100	-29.783	0.85	44.8345	9.8	...	...	18.962	-36.102	0.65	...	...	...	27.858	+58.060	-3	...	...
...	7.245	-58.706	0.90	44.8346	10.0	*	...	19.183	+20.126	1.40	43.7971	9.4	...	27.972	+21.286	-3	m	...	
...	7.575	+34.858	-5	m	...	...	...	19.230	-4.116	-5	...	...	...	28.187	-47.400	0.65	...	...
...	7.627	-41.084	0.70	44.8347	10.0	...	...	19.426	+16.514	-4	m	...	...	28.253	-55.096	-5	...	...
411	*	+	7.725	-39.493	1.05	44.8348	9.6	471	...	+19.466	+50.345	0.75	43.7972	10.0	531	...	+28.316	+22.322	-5	m	...
...	7.894	-47.047	-5	...	...	...	...	19.893	+50.151	0.80	43.7973	9.8	*	29.268	-37.719	1.30	44.8362	9.4	
...	8.080	-51.674	-4	20.364	+49.273	-4	m	29.308	-23.928	-3
...	8.141	+41.419	0.80	43.7964	10.0	20.494	+36.472	-5	m	29.319	-30.517	-3
...	8.987	-16.363	-1	...	...	*	...	20.589	+36.246	0.95	43.7974	9.6	*	29.405	-0.240	1.20	43.7980	9.5	
S*	+	...	8.996	+31.961	4.50	43.7965	7.4	...	...	+20.657	+49.762	-4	m	...	...	+29.592	-33.842	0.90	43.7979	10.0
...	*	...	9.158	+41.851	1.80	43.7966	9.2	...	...	20.795	+38.616	-4	...	...	...	29.667	-22.060	-5	...	...
...	9.227	-32.647	-4	...	...	...	...	20.938	-51.213	-4	...	...	...	29.837	-50.794	0.80	...	...
...	9.685	-16.315	-1	...	...	...	...	21.228	+50.146	-5	m	...	...	29.905	-8.706	-1	...	...
...	↑	...	9.704	-51.909	-4	...	...	N n	...	21.426	-35.139	-2	44.8355	10.0	...	30.202	-57.501	-5	m	...

442. Mass. 45^h. 104. two stars.

480. Mass. 45^h. 104. two stars. C.P.D., the brighter star

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
541-600						601-660						661-720						
54I	+30°352	-57'432	0.80	44.8363	10.0	60I	+36°701	+45°602	0.65	...	...	66I	+42°211	-23'477	1.10	44.8383	9.6
...	30°510	-21°109	-5	...	...	...	36°841	+28°161	-3	m	...	...	42°301	+28°346	-3	b	...
...	30°570	+35°184	-3	b	...	†	36°922	+9°955	-5	m	...	...	42°456	+9°717	-4	m	...
...	30°582	+9°556	-2	b	...	...	37°007	+57°580	-5	m	...	*	42°627	-48°871	1.10	44.8384	9.6
...	30°893	+28°730	-5	m	...	...	37°014	+8°907	0.65	...	...	...	42°673	+35°167	-2	a	...
...	+30°917	-25°801	-4	...	...	...	+37°096	+38°127	-5	m	...	...	+42°686	+58°397	-5	m	...
...	30°986	+13°375	0.65	43.7981	10.0	...	37°228	+41°953	-4	m	...	...	42°769	+39°271	0.85	43.7991	10.0
*	31°055	-17°810	1.00	44.8364	9.6	*	37°294	-12°488	1.05	44.8372	9.6	42°833	+27°271	-4	m	...
...	31°295	+19°649	-3	37°351	-0°236	-4	42°835	+24°782	0.80	43.7992	10.0
...	31°324	+15°855	-5	m	37°498	+39°525	-5	m	42°983	-1°047	-5
55I	+31°552	-5°644	1.40	44.8365	9.4	61I	+37°546	-37°537	-5	...	...	67I	+43°075	+29°090	1.10	43.7993	9.6
*	31°557	+35°781	0.65	...	...	...	37°657	-35°918	-5	...	...	*	43°314	+51°057	-3	...	...
...	31°811	+3°869	-3	m	...	S*	37°773	+46°882	2.00	43.7985	8.5	†	43°423	+44°806	-5	m	...	
...	31°878	-59°616	-5	...	...	...	37°785	-55°936	-5	...	...	...	43°472	-27°645	0.65	...	...
...	31°881	-43°543	-5	...	...	...	37°838	-37°070	-4	...	...	...	43°472	-27°645	0.65	...	...
...	+31°923	+33°352	-4	m	...	...	+37°976	+48°048	0.65	...	...	...	43°545	+19°701	-5	m	...
...	32°045	-7°001	-3	...	...	...	38°053	+4°878	-5	m	...	...	+43°684	-22°492	0.80	44.8385	9.9
...	32°063	-43°291	0.80	44.8366	10.0	...	38°213	-20°320	-5	...	...	*	43°997	+38°786	1.00	43.7994	10.0
...	32°118	+57°854	-5	m	...	...	38°227	+32°745	0.85	43.7986	10.0	...	44°093	-2°982	0.70	...	...
...	32°297	+1°023	-3	m	...	*	38°314	-56°151	0.90	44.8373	10.0	...	44°148	+42°987	-1	...	...
56I	+32°828	-50°955	-4	...	...	62I	+38°397	+17°637	-2	b	...	68I	+44°489	+28°262	-3	b	...
...	32°937	+31°771	-5	m	...	...	38°535	+39°646	-5	m	...	*	44°494	+21°717	0.90	...	...
...	33°303	+45°525	-5	m	...	*	38°790	+55°423	1.20	43.7987	9.6	...	44°541	+25°158	-4	m	...	
...	33°364	+4°113	-3	m	...	...	38°814	+57°807	-5	m	...	†	44°759	+55°877	-3	...	...
...	33°430	+16°331	-5	m	...	*	38°853	-28°658	1.20	44.8374	9.6	†	44°769	+53°491	-1	43.7995	9.9	
...	+33°455	+31°235	-5	m	...	...	+39°077	-59°163	-4	...	...	...	+44°957	-31°055	-3	...	...
...	33°513	-25°393	-5	...	...	...	39°109	+55°629	-5	m	...	*	44°960	+41°650	0.95	43.7996	9.8
...	33°598	-25°712	-4	...	...	...	39°255	+11°811	-5	m	...	...	45°127	+14°878	-5	m	...
...	33°621	+44°523	-5	m	...	*	39°310	+57°232	1.60	43.7988	9.6	*	45°254	+40°793	1.00	43.7997	9.9	
...	33°884	-44°514	-5	...	...	...	39°397	+36°391	-5	m	...	*	45°264	+5°854	1.40	43.7998	9.4
57I	+33°951	-48°492	0.65	...	...	63I	+39°780	-16°159	1.20	44.8375	9.5	69I	+45°412	-24°644	1.20	44.8386	9.3
...	34°001	-58°428	-5	m	...	†	39°789	-1°099	-1	...	...	*	45°429	-19°187	-5	...	...
...	34°112	+7°409	-3	m	...	...	39°856	-42°475	0.80	44.8376	10.0	...	45°469	+8°310	-4	...	...
...	34°186	+27°315	0.80	43.7982	10.0	...	39°890	+53°523	-5	m	...	N	45°503	+7°837	-4	m	...	
...	34°327	-37°116	-4	...	...	...	39°969	-28°908	-5	...	...	...	45°614	+46°457	-4	m	...
...	+34°502	+14°116	-5	m	...	...	+40°120	-51°089	-5	...	...	...	+45°682	+24°806	-3	b	...
...	34°549	+27°434	-2	a	...	...	40°140	-30°193	-5	...	...	...	46°074	+44°573	-4	m	...
...	34°602	-56°380	-1	...	...	...	40°378	-13°162	-5	...	...	...	46°168	+28°684	-4	m	...
...	34°626	+26°828	-5	m	...	...	40°532	+51°435	-2	...	...	...	46°258	+35°995	-2	...	...
...	34°650	+46°800	-3	m	...	...	40°693	-30°978	0.70	...	...	...	46°323	+15°625	-4	m	...
58I	†	+34°728	+28°600	-4	m	...	64I	+40°713	-45°003	1.10	44.8377	9.6	70I	+46°372	-44°705	-5
...	†	34°747	+48°357	-4	m	40°835	-20°487	-5	46°488	-50°223	-4
...	...	34°907	+40°252	-5	m	40°889	-48°215	-5	46°522	+53°268	-5	m	...
...	...	35°074	-18°995	-5	*	40°912	+49°359	1.20	43.7989	9.6	...	46°781	-20°379	-5
...	...	35°341	+30°733	-5	m	40°947	-25°807	0.85	44.8378	10.0	*	46°882	+7°776	0.95	43.7999	9.9
...	...	+35°344	+44°219	-4	m	+41°045	-57°592	1.00	44.8379	9.9	...	+46°913	-1°190	-5	m	...
...	...	35°496	-48°155	-5	41°142	-37°739	-3	46°985	+54°300	-3
...	...	35°612	+35°148	-4	m	41°157	-51°929	-5	47°252	+14°595	0.70	43.8000	10.0
*	...	35°623	+13°860	2.80	43.7983	8.2	...	41°358	+40°911	-5	m	47°298	-29°043	-3
...	...	35°727	-37°159	-3	41°394	+33°185	-5	m	47°380	+55°411	-3
59I	*	+35°784	-37°100	0.90	44.8368	9.6	65I	+41°399	+40°785	1.20	43.7990	9.6	71I	+47°526	-32°356	-4
...	...	35°747	-38°293	-4	41°460	+21°785	-5	m	47°638	-48°762	0.75
...	...	35°753	+9°175	-4	m	41°608	+23°793	-2	47°802	-4°809	-3
...	...	35°780	+33°065	-3	a	41°669	-3°215	-5	m	47°803	+1°010	-5	m	...
...	...	36°050	+45°480	0.70	41°770	+51°630	-4	m	47°812	+38°089	-5	m	...
*	...	+36°075	-2°058	1.00	44.8369	9.8	...	+41°922	-26°255	0.80	44.8380	10.0	*	+47°867	+3°986	1.00	43.8001	9.6
*	...	36°349	-56°200	0.90	44.8371	10.0	†	41°932	-49°951	0.95	44.8381	9.8	...	48°058	-29°414	-4
*	...	36°441	-32°060	2.70	44.8370	8.5	...	41°986	-37°769	-5	48°170	+1°113	-4	e	...
...	...	36°541	+6°773	0.75	43.7984	10.0	...	42°035	+44°293	-5	m	48°294	+28°389	-5	m	...
...	...	36°662	+37°600	-5	m	42°050	-55°811	1.00	44.8382	9.9	...	48°339	+3°256	-5	e	...

694. Obscure 2nd image of 693.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
721-750						751-780						781-809						
721	+48'340	- 2'291	1.00	44.8387	9.9	751	+52'160	-26'724	- 4	...	...	781	+55'733	+26'040	- 4	e	...
...	48'405	- 1'417	- 3	...	...	...	52'273	- 6'661	1.00	44.8391	9.8	...	55'854	+20'970	0.70	...	...
...	48'475	+20'791	- 5	m	...	...	52'428	- 2'572	1.00	44.8392	9.6	...	55'892	-23'314	- 5	...	...
...	48'539	-44'580	1.20	44.8388	9.4	...	52'611	- 3'464	- 5	...	...	...	56'176	-37'757	- 2	...	...
...	48'550	+15'297	- 4	e	...	...	52'631	+41'073	- 5	m	...	...	56'229	-39'315	- 5	...	...
...	+48'715	+26'901	- 5	m	...	...	+52'639	+49'551	- 4	e	...	...	+56'230	-12'513	- 5	...	...
...	48'780	-31'540	- 3	...	...	...	52'680	+58'109	- 4	e	...	...	56'311	+54'505	- 3	...	...
...	* 48'967	+51'391	1.20	43.8002	9.6	...	52'778	- 3'593	- 4	...	...	...	56'534	+ 0'236	- 5	e	...
...	48'994	-36'595	- 5	...	...	...	52'971	-21'048	0.70	...	...	...	56'541	+27'715	- 5	e	...
...	49'161	-55'496	- 5	...	...	...	53'049	- 5'918	- 4	...	...	...	57'619	-36'625	- 4	...	...
731	+49'255	-39'982	- 4	...	...	761	+53'090	+ 1'275	- 4	e	...	791	+57'637	+59'544	- 2	...	...
...	49'402	-21'994	- 5	...	...	...	53'110	+ 9'147	- 3	e	...	...	57'821	- 7'775	- 3	...	...
...	* 49'852	+ 3'213	1.00	43.8003	9.5	S *	53'949	+30'293	2.30	43.8006	8.3	...	* 57'961	+38'222	1.00	43.8008	9.6	
...	50'025	- 4'894	- 5	...	...	...	54'200	+ 7'839	- 5	m	...	...	58'078	- 9'855	0.80	44.8396	10.0
...	50'145	+30'241	- 3	...	...	...	54'275	+ 4'779	- 5	e	...	...	58'079	+41'325	- 5	e	...
...	+50'589	+45'160	- 5	e	...	...	+54'302	- 1'096	- 4	e	...	...	* +58'153	+56'296	1.40	43.8007	9.5
...	50'606	- 0'353	- 5	e	...	...	54'338	+24'013	- 5	e	...	...	58'245	+19'395	- 3	e	...
...	50'739	- 8'264	- 4	...	...	...	54'406	+14'676	- 5	m	...	...	58'357	+33'370	- 2	...	...
...	† 50'764	+24'896	- 2	43.8005	10.0	...	54'427	-13'664	- 1	...	...	...	58'360	+47'819	0.95	43.8009	10.0
...	* 50'765	+34'619	1.00	43.8004	9.6	...	54'451	- 45'047	- 4	...	...	...	58'413	-29'264	- 5	...	...
741	+50'816	+29'404	- 5	e	...	771	+54'528	-38'945	1.90	44.8393	8.6	801	* +58'891	+20'115	0.90	43.8011	9.9	
...	* 50'934	- 8'773	1.50	44.8389	9.1	S †	54'764	-17'722	- 1	...	...	...	58'919	+38'965	- 5	e	...
...	51'313	+41'775	- 3	e	...	...	54'840	-52'819	- 5	...	...	...	58'977	+ 5'412	- 4	e	...
...	* 51'366	- 9'258	1.70	44.8390	9.0	...	54'926	-26'534	- 3	...	...	...	* 59'134	+39'463	1.40	43.8010	9.4
...	51'500	+10'333	0.65	...	...	...	55'105	-51'826	- 4	...	...	...	59'224	-16'101	- 1	...	...
...	+51'666	- 2'141	- 4	...	...	...	+55'142	+50'653	- 5	e	...	...	* +59'265	- 9'731	0.90	44.8397	9.9
...	51'881	+20'738	- 2	...	...	...	55'295	+25'834	- 3	e	...	...	59'516	-35'643	0.85	...	...
...	51'979	+30'343	- 4	e	...	...	* 55'402	- 7'894	0.90	44.8394	10.0	...	* 59'527	+ 6'296	1.20	43.8012	9.6
...	51'999	+38'776	- 4	e	55'680	+43'772	- 4	e	59'650	+50'842	- 3
...	52'037	-13'151	- 5	...	...	...	55'714	+23'253	0.65	...	...	...	...	...	...	...	...

1-20						21-40						41-60						
1	-59'903	-50'432	- 5	...	...	21	† -57'743	- 5'017	- 4	...	...	41	...	-54'891	+ 1'254	- 4	E	...
...	59'845	+15'120	- 4	E	...	...	57'479	-40'107	- 4	...	...	S *	54'882	+30'272	2.10	43.8006	8.3	...
...	59'801	+ 0'947	- 4	E	...	...	57'302	- 0'458	- 5	E	...	...	54'698	- 5'942	- 4	...	...	...
...	59'742	-29'226	- 3	...	...	...	57'123	+38'695	- 4	E	...	...	54'323	-21'069	- 1	...	...	...
...	59'688	+ 3'091	- 4	E	...	...	57'017	+58'042	- 5	E	...	...	54'322	+50'646	- 5	E	...	...
...	* 59'525	- 2'453	1.00	44.8387	9.9	...	56'929	- 8'366	- 4	...	...	...	-54'318	+24'025	- 5	E	...	...
...	59'481	- 1'581	- 3	...	...	...	56'863	+30'260	- 4	E	...	...	53'808	+ 4'784	- 5	E	...	...
...	59'423	-32'540	- 4	...	...	...	56'793	+49'473	- 4	E	...	...	53'599	- 1'080	- 4	E	...	...
...	58'990	-29'585	- 5	...	...	...	56'740	+10'253	0.75	...	...	...	53'584	+43'792	- 4	E	...	...
...	58'821	-48'932	- 2	...	...	...	* 56'718	- 8'867	1.30	44.8389	9.1	...	53'410	+25'860	- 3	E	...	...
11	-58'697	+30'104	- 1	...	...	31	...	-56'688	+20'644	- 2	...	51	...	-53'270	+54'555	- 3	...	...
...	58'686	+45'031	- 5	E	...	...	* 56'273	- 9'334	1.40	44.8390	9.0	...	53'117	-13'650	- 2	...	...	...
...	* 58'219	+34'501	1.10	43.8004	9.6	...	56'197	- 2'212	- 5	...	...	...	53'000	+26'070	- 4	E	...	...
...	58'191	-31'676	- 2	...	...	...	55'985	+ 9'775	- 5	M	...	...	52'926	+23'292	- 1	...	...	...
...	* 58'177	+ 3'074	1.20	43.8003	9.5	...	* 55'448	- 6'713	0.90	44.8391	9.8	...	52'725	+21'018	- 1	...	...	...
...	* 58'024	-44'726	1.20	44.8388	9.4	...	* 55'422	- 2'626	1.20	44.8392	9.6	...	...	-52'643	-17'702	- 2	...	...
...	57'994	+29'282	- 5	E	...	...	55'199	- 3'517	- 5	...	...	...	52'334	-36'879	- 5	...	...	...
...	57'924	+24'798	0.65	43.8005	10.0	...	55'099	+ 9'110	- 3	E	...	...	* 52'286	- 7'853	0.90	44.8394	10.0	
...	57'879	+41'677	- 3	E	...	...	† 55'069	- 3'645	- 5	...	...	...	52'251	-27'773	- 5	E	...	
...	57'862	-22'123	- 5	...	...	...	54'963	-26'769	- 4	...	...	S *	52'212	-38'914	2.00	44.8393	8.6	

MC measured from 1, 224, 484, 740, 1019, 1311.
ES ,, ,, 80, 340, 605, 862, 1145, 1452.

Images generally diffused

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.	
	x.	y.	-2.	No.	Mag.	x.	y.		-2.	No.	Mag.	x.	y.	-2.	No.		Mag.	x.	y.	-2.	No.	Mag.	No.	Mag.
61-120						121-180						181-240											
6I	-52'203	-26'502	-3	...	...	12I	-46'590	-26'146	-4	...	...	18I	-42'546	-18'297	-5	...	...	...	...	...	...	...
...	52'110	-45'001	-5	...	...	...	46'590	-10'803	-5	...	...	...	42'326	+8'630	-3	...	...	...	...	...	...	...
...	52'093	+59'626	-3	...	...	...	46'559	+1'965	-5	M	...	...	42'291	+57'357	-3	...	...	...	...	...	...	...
...	51'601	-19'013	-5	...	...	...	46'528	+28'787	-5	M	...	...	42'216	-50'872	-5	...	...	...	...	...	...	...
...	51'586	+37'559	-5	M	...	...	46'367	-49'972	-5	...	...	...	42'148	+38'190	-3	...	...	...	...	...	...	...
*	-51'483	+56'387	1'10	43.8007	9'5	...	-46'286	+44'457	-5	M	...	*	-42'028	-53'878	0'90	44.8405	9'9	...	...	...	...	...
...	51'483	-52'773	-5	...	...	...	46'082	+0'350	-5	M	...	...	41'965	+5'315	-5	M	...	...	...	...	...	...
...	51'407	+0'315	-5	E	...	...	45'827	+56'976	0'90	43.8016	10'0	...	41'914	+0'872	0'70	...	...	...	...	...	...	...
...	51'326	-23'256	-5	...	...	...	45'688	-34'341	0'65	...	...	†	41'865	-14'950	1'10	44.8407	9'2	...	...	...	...	...
...	51'312	-12'443	-5	...	...	...	45'618	+40'665	-4	M	...	...	41'781	-20'328	-5	...	...	...	...	...	...	...
7I	-51'250	-51'771	-4	...	...	13I	-45'502	-16'338	0'95	44.8399	9'6	19I	-41'617	+28'772	-3	A	...	...	...	...	...	...
*	51'126	+38'319	1'00	43.8008	9'6	...	45'490	-30'983	-5	...	...	...	41'578	+55'645	-2	...	...	...	...	...	...	...
...	51'111	+41'419	-4	E	...	...	45'440	+4'717	-1	...	...	*	41'555	-24'479	1'80	44.8409	9'0	...	...	...	...	...
...	51'011	+47'915	0'90	43.8009	10'0	...	45'344	+17'917	-5	M	...	...	41'537	-44'442	-5	...	...	...	...	...	...	...
...	50'611	-37'692	-2	...	...	...	45'322	+45'147	-5	M	...	...	41'474	-14'114	0'85	44.8410	9'9	...	...	...	...	...
...	-50'597	+33'478	-2	...	...	...	-45'264	-16'738	-5	...	...	...	-41'402	+31'642	-5	M	...	...	...	...	...	...
...	50'518	-39'242	-5	...	...	...	45'180	+7'347	-5	M	...	...	41'268	-25'032	-4	...	...	...	...	...	...	...
...	50'283	+19'514	-3	E	...	...	45'168	+36'468	-5	M	...	...	41'248	-2'808	0'75	...	...	...	...	...	...	...
...	50'195	+39'092	-5	E	...	...	45'159	+0'213	-3	B	...	...	41'242	+3'651	-5	M	...	...	...	...	...	...
†	49'987	+39'593	1'25	43.8010	9'4	†	45'152	-57'451	1'15	44.8398	9'6	...	41'224	+19'357	0'75	43.8018	10'0	...	...	...	...	...
8I	-49'945	-13'409	-5	...	...	14I	-44'975	-43'658	-5	...	...	20I	-41'172	+32'203	0'80	...	...	...	...	...	...	...
...	49'886	-7'652	-3	...	...	...	44'859	+27'636	-3	B	...	...	41'162	+49'146	-4	M	...	...	...	...	...	...
...	49'813	+50'999	-1	...	...	...	44'720	+2'498	-5	M	...	...	41'114	+54'128	-1	...	...	...	...	...	...	...
*	49'656	+20'255	0'90	43.8011	9'9	†	44'673	-49'873	-5	...	...	...	41'084	+50'284	0'75	...	...	...	...	...	...	...
...	49'558	-9'726	0'80	44.8396	10'0	...	44'643	-33'357	-4	...	...	...	41'004	+38'415	-1	...	...	...	...	...	...	...
...	-49'300	+40'627	-3	B	...	...	-44'618	+50'586	-5	M	...	...	-40'997	-19'611	-4	...	...	...	...	...	...	...
...	49'211	-36'500	-4	...	...	...	44'612	+16'740	-4	M	...	...	40'922	+53'788	-3	...	...	...	...	...	...	...
...	49'146	+40'347	-5	M	...	...	44'578	+54'125	-5	M	...	...	40'804	-25'859	-5	...	...	...	...	...	...	...
...	49'131	+5'564	-4	E	...	...	44'360	-36'883	-5	...	...	...	40'795	-38'911	0'65	...	...	...	...	...	...	...
...	49'089	-6'781	-5	M	...	...	44'356	+3'665	-4	M	...	...	40'765	+42'252	-2	B	...	...	...	...	...	...
9I	-48'909	+33'776	-5	M	...	15I	-44'265	-27'678	-2	...	...	21I	-40'728	-49'042	-4	...	...	...	...	...	...	...
...	48'762	-36'766	-5	...	...	...	44'241	-16'716	-3	...	...	...	40'642	-13'238	-5	M	...	...	...	...	...	...
...	48'714	+47'786	-5	M	...	...	44'134	-32'924	-5	...	...	...	40'637	+32'356	-5	M	...	...	...	...	...	...
...	48'667	-10'201	-5	...	...	...	44'128	+18'374	-5	M	...	†	40'584	+39'829	1'35	43.8019	9'1	...	...	...	...	...
...	48'646	-29'110	-5	...	...	...	44'043	+18'885	-5	M	...	*	40'420	-19'407	1'70	44.8413	9'0	...	...	...	...	...
*	-48'598	+6'461	1'00	43.8012	9'6	*	-44'036	-18'287	1'35	44.8400	9'2	...	-40'395	-47'582	-3	...	...	...	...	...	...	...
...	48'532	-34'336	-5	...	...	...	44'013	-3'158	0'75	44.8404	10'0	...	40'382	-36'723	-4	...	...	...	...	...	...	...
...	48'390	+58'776	-4	M	...	†	43'997	+44'907	-4	M	...	...	40'369	+43'251	0'70	...	...	...	...	...	...	...
*	48'362	-9'561	0'90	44.8397	9'9	...	43'898	-43'146	-5	...	...	...	40'369	-11'888	-3	...	...	...	...	...	...	...
...	48'217	-15'942	0'65	...	...	...	43'832	-25'505	0'70	...	...	*	40'301	-34'379	1'00	44.8412	9'8	...	...	...	...	...
10I	-48'052	+57'423	1'25	43.8014	9'6	16I	-43'750	+26'665	-3	B	...	22I	-40'264	+42'139	-2	B	...	...	...	...	...	...
...	47'957	+9'680	0'75	...	...	*	43'741	-15'378	1'30	44.8403	9'3	...	40'186	-52'526	0'80	44.8411	10'0	...	...	...	...	...
...	47'857	+49'284	-5	M	...	*	43'724	+12'560	0'95	43.8017	9'9	...	40'141	+47'608	0'90	43.8020	9'9	...	...	...	...	...
...	47'849	+4'258	-4	M	...	...	43'689	+9'308	-4	M	...	...	39'952	+34'211	-5	M	...	...	...	...	...	...
...	47'789	+13'002	0'80	43.8013	10'0	...	43'636	-14'229	-4	...	...	...	39'926	+16'351	-5	M	...	...	...	...	...	...
...	-47'750	+24'787	-4	M	...	...	-43'628	+8'573	-5	M	...	...	-39'904	+45'412	-4	M	...	...	...	...	...	...
*	47'341	-35'460	0'85	...	...	...	43'626	+59'603	-4	M	...	*	39'842	-8'420	1'20	44.8414	9'6	...	...	...	...	...
...	47'242	+26'237	0'75	...	...	...	43'588	+16'905	-5	M	...	...	39'803	+57'514	-4	M	...	...	...	...	...	...
...	47'242	-23'461	-4	...	...	*	43'559	-41'884	2'60	44.8401	8'1	*	39'670	-2'458	1'10	44.8415	9'6	...	...	...	...	...
...	47'228	-33'860	-1	...	...	*	43'513	-37'350	2'60	44.8402	8'2	...	39'635	-40'618	-2	...	...	...	...	...	...	...
11I	-47'211	-56'553	-5	...	...	17I	-43'483	-51'171	-5	M	...	23I	-39'532	+49'494	-5	M	...	...	...	...	...	...
...	47'097	-14'237	-3	...	...	...	43'155	-25'110	-5	...	...	*	39'532	+15'230	1'00	43.8021	9'6	...	...	...	...	...
...	46'917	+14'523	-4	M	...	...	43'107	-15'114	-2	...	...	*	39'450	-10'101	1'40	44.8416	9'1	...	...	...	...	...
...	46'864	+17'341	-5	M	...	...	43'076	-47'648	-5	...	...	...	39'380	+57'070	-3	...	...	...	...	...	...	...
...	46'848	+14'577	-3	B	...	...	42'951	+50'195	-5	M	...	...	39'363	-21'895	-4	...	...	...	...	...	...	...
*	-46'839	+10'299	2'00	43.8015	8'8	...	-42'917	-10'268	-5	...	...	...	-39'267	-14'605	-5	M	...	...	...	...	...	...
...	46'766	-41'058	-5	...	...	...	42'817	-58'712	-1	...	...	...	39'035	+26'228	-5	M	...	...	...	...	...	...
...	46'756	-17'652	-3	...	...	†	42'578	-54'798	-5	...	...	...	39'028	-12'724	-5	M	...	...	...	...	...	...
...	46'712	-0'863	-5	...	...	*	42'578	-5'761	1'70	44.8406	9'2	...	38'787	-25'316	-5	...	...	...	...	...	...	...
...	46'598	-30'795	-4	...	...	...	42'571	+18'424	-3	B	...	...	38'733	+26'429	-4	M	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
241-300						301-360						361-420					
241	-38.732	-22.789	-3	...	...	301	-33.093	+17.278	0.75	...	...	361	-28.653	-2.931	-4	...	...
...	38.645	-22.642	-3	44.8418	10.0	...	32.961	+17.284	2.80	43.8026	8.0	...	28.383	+47.484	-5	M	...
...	38.563	-7.830	-5	...	...	*	33.087	-1.784	1.40	44.8430	9.0	...	28.329	-16.779	-5	M	...
...	38.531	+4.280	-5	M	...	...	32.937	+37.570	-4	M	...	...	28.270	-49.793	0.65	...	...
*	38.462	-49.579	1.00	44.8417	9.6	...	32.935	-31.108	-4	...	...	...	28.172	+48.939	-3	A	...
...	-38.384	+28.541	-2	...	...	...	-32.892	+14.479	0.95	43.8025	9.8	...	-28.097	-41.831	-5	...	...
*	38.380	+54.495	1.00	43.8022	9.9	...	32.836	-22.945	0.75	44.8429	10.0	...	27.961	-13.110	-5	...	...
...	38.355	-19.370	-5	...	...	...	32.796	-40.194	-3	...	...	...	27.832	+33.483	-4	M	...
...	38.170	-23.338	-1	44.8420	10.0	...	32.785	+1.357	-1	...	...	*	27.821	-18.155	1.60	44.8443	9.3
*	38.019	-41.437	1.00	44.8419	9.6	...	32.712	-45.822	-4	...	...	*	27.811	-7.161	1.20	44.8444	9.3
251	-37.950	-24.539	-4	...	...	311	-32.692	-4.137	6.20	44.8431	6.2	371	-27.768	-37.665	1.10	44.8442	9.6
...	37.936	+27.773	-3	B	...	S*	32.688	-7.886	-3	...	...	*	27.745	-26.234	-5	...	...
...	37.904	+43.973	0.80	...	...	...	32.648	+52.593	0.65	...	...	...	27.653	+53.352	0.80	...	...
...	37.850	-1.707	-3	...	...	...	32.588	-0.769	-3	...	...	*	27.641	-5.905	2.40	44.8445	8.8
...	37.825	-10.513	-5	...	...	...	32.560	-21.533	-2	...	...	...	27.625	+51.742	-4	M	...
...	-37.795	-28.155	-5	...	...	...	-32.491	+7.996	0.80	43.8027	10.0	...	-27.601	-36.740	-4	...	...
...	37.757	-28.055	0.80	44.8421	10.0	...	32.417	+51.971	-1	...	...	S+	27.575	-55.008	4.00	44.8441	6.9
...	37.607	-20.759	-5	...	...	...	32.251	+57.014	0.95	43.8029	10.0	*	27.548	-1.627	1.80	44.8446	9.4
...	37.600	+57.992	-1	...	...	...	32.251	-27.189	-4	...	...	...	27.518	+35.684	-5	M	...
...	37.495	-30.028	-1	...	...	...	32.223	+46.685	-5	M	...	...	27.500	-27.605	-3	...	...
261	-37.469	+14.683	-3	...	...	321	-32.007	+43.123	-5	M	...	381	-27.436	-11.782	1.80	44.8447	9.3
*	37.243	-29.818	1.20	44.8422	9.1	...	31.992	+49.251	-3	A	...	...	27.377	-41.509	-3	...	...
...	37.219	+37.219	-4	M	...	...	31.815	-25.808	0.85	44.8432	9.8	...	27.357	+35.780	-5	M	...
...	37.015	-17.516	-5	...	...	S*	31.703	+5.926	2.80	43.8028	7.9	...	27.269	+34.117	-5	...	...
...	36.903	-3.317	-5	M	...	...	31.428	+53.835	-4	M	...	...	27.256	-28.830	-3	...	...
...	-36.823	-46.602	-3	...	...	...	-31.373	-3.605	-5	...	...	...	-27.219	-29.520	-5	...	...
...	36.626	+53.333	-2	B	...	...	31.149	+20.894	-5	M	...	...	27.202	-55.001	-5	...	...
...	36.620	-18.923	-5	...	...	...	31.079	-44.820	1.20	44.8433	9.4	...	27.143	-36.800	-3	...	...
...	36.253	-24.095	-2	...	...	...	31.079	+13.341	-5	M	...	...	27.026	-18.597	-5	...	...
...	36.248	-13.355	-4	...	...	*	30.916	-36.923	0.90	44.8434	10.0	...	26.944	-28.299	0.65	44.8448	10.0
271	-35.912	+32.015	-2	...	...	331	-30.820	-23.365	0.95	44.8436	10.0	391	-26.863	-9.754	-5	...	...
...	35.712	-11.218	-2	...	...	...	30.806	+43.602	-4	M	...	...	26.754	-6.608	0.85	44.8449	9.8
...	35.702	-32.526	-5	...	...	...	30.743	+42.300	-4	M	...	...	26.628	+48.347	0.75	...	...
...	35.699	-1.489	-4	...	...	*	30.654	+56.244	1.30	43.8030	9.6	N	26.603	+47.868	-3	...	...
...	35.421	+0.930	-5	M	...	...	30.610	+21.557	-3	...	...	...	26.533	-44.417	-5	...	...
...	-35.168	+43.881	-4	M	...	...	-30.586	+47.597	0.80	...	...	...	-26.512	-1.411	0.70	...	...
...	35.007	+44.557	-4	M	...	...	30.260	-17.996	-5	...	...	...	26.350	+1.252	-5	M	...
...	34.886	+10.058	-3	...	...	...	30.210	+16.876	-5	M	...	...	26.190	+15.426	-1	...	...
...	34.871	-16.376	-3	...	...	...	30.181	-10.663	-1	44.8438	10.0	...	26.154	+23.571	-5	M	...
...	34.866	+23.704	-3	...	...	...	30.065	+1.891	-5	M	...	...	25.842	+21.215	-5	M	...
281	-34.861	-56.597	1.10	44.8423	9.5	341	-30.031	+35.059	-5	M	...	401	-25.825	-35.208	-2	...	...
*	34.793	-27.448	1.30	44.8424	9.3	...	29.924	+59.031	-4	M	...	...	25.644	-31.927	-5	...	...
*	34.658	-38.082	1.00	44.8425	9.8	...	29.884	-20.938	-5	...	...	...	25.576	+38.238	-4	M	...
...	34.217	+59.365	-2	...	...	...	29.781	+56.628	-2	...	...	...	25.527	+11.124	-2	...	...
...	34.184	-17.172	-5	...	...	...	29.565	+28.900	-5	M	...	*	25.385	+35.956	0.90	43.8032	9.6
...	-34.144	-15.975	-4	...	...	...	-29.537	+30.628	-5	M	...	...	-25.319	-53.130	-5	...	...
...	34.126	-37.347	0.90	44.8426	10.0	...	29.495	-38.401	0.90	44.8439	9.8	*	25.301	-48.892	1.40	44.8450	9.4
...	34.084	+1.507	-3	B	...	...	29.440	+44.411	-5	M	...	...	25.268	+1.717	-5	M	...
...	34.045	-57.316	-3	...	...	...	29.389	-3.393	0.65	...	...	...	25.243	-35.566	-5	...	...
...	33.999	-48.000	-5	...	...	...	29.300	+39.098	-1	C	...	...	25.201	-19.682	-5	...	...
291	-33.999	-18.951	1.40	44.8427	9.3	351	-29.215	-50.637	-5	...	...	411	-25.105	-14.855	1.30	44.8451	9.4
...	33.978	-36.822	-5	...	...	...	29.208	+27.799	-4	M	...	...	25.079	+44.119	-4	M	...
...	33.866	-32.937	-4	...	...	...	29.091	+37.768	0.80	...	...	...	24.975	+47.841	-4	M	...
*	33.857	+49.198	1.30	43.8023	9.4	...	28.997	+40.085	0.70	...	...	...	24.922	-45.788	-2	...	...
...	33.724	-32.950	-3	...	...	...	28.927	+36.242	-5	M	...	...	24.900	+25.525	-5	M	...
...	-33.562	-22.108	-3	...	...	*	-28.907	-39.549	1.30	44.8440	9.4	...	-24.840	+46.751	-5	M	...
...	33.439	-52.477	-5	M	...	...	28.840	-18.395	-5	...	...	...	24.556	-13.196	-3	...	...
...	33.369	+13.560	-5	M	...	*	28.771	+22.294	0.90	43.8031	9.6	...	24.502	+34.549	-4	M	...
...	33.175	+1.103	-4	M	...	...	28.704	-32.835	-1	...	...	...	24.248	-41.070	-4	...	...
*	33.118	+18.219	0.95	43.8024	9.8	...	28.661	+53.614	-5	M	...	...	24.222	-26.963	-5	...	...

394. Obscured by 2nd image of 393; 2nd image measured and corrected.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
421-480						481-540						541-600					
421	-24.202	+26.764	-5	M	...	481	-20.224	+15.563	0.70	...	...	541	-15.145	-34.928	-2	44.8472	9.9
...	24.133	-56.707	-4	...	...	...	20.207	+54.927	-1	...	...	...	15.088	+28.224	0.85	...	...
...	24.116	-31.284	-4	...	...	...	20.187	-31.487	-5	...	...	...	14.890	-44.497	-5	...	...
...	24.040	-6.224	0.85	44.8452	10.0	...	20.067	-31.366	-4	...	...	...	14.865	+25.191	-1	...	...
*	23.894	+3.828	1.30	43.8033	9.4	...	19.988	+46.957	0.70	...	...	...	14.650	-10.058	-1	44.8473	9.9
...	-23.849	-58.002	-5	...	...	...	-19.957	-40.996	-4	...	...	...	-14.591	+24.294	-4	M	...
...	23.844	+19.804	-2	...	...	...	19.948	+1.173	-5	M	...	...	14.569	+54.146	1.00	43.8047	10.0
...	23.748	-19.323	0.70	44.8453	10.0	...	19.887	-36.663	-4	...	...	...	14.404	-15.337	-4	...	...
...	23.588	-59.257	0.65	...	...	...	19.858	-50.902	-4	...	...	...	14.391	-3.432	-5	...	...
...	23.566	-32.389	-5	...	...	*	19.812	+35.990	1.30	43.8038	9.3	*	14.365	+13.353	1.60	43.8046	9.0
431	-23.484	+55.748	-1	B	...	491	-19.808	-28.650	-4	...	...	551	-14.165	-31.043	-5	...	...
...	23.362	+49.183	-5	M	...	...	19.779	-50.088	-2	...	...	...	14.118	-32.841	-3	...	...
*	23.361	-55.679	0.90	44.8454	9.6	...	19.761	-27.564	-5	...	...	...	13.950	+20.312	-4	M	...
†	23.328	+49.773	1.00	43.8034	9.6	...	19.541	+30.852	-3	...	...	...	13.805	+58.945	-5	M	...
...	23.317	-33.046	-5	...	...	...	19.471	+9.769	-4	...	...	*	13.776	-3.663	1.10	44.8477	9.6
S*	-23.260	+53.529	1.90	43.8035	8.9	*	-19.421	-30.741	1.00	44.8466	9.8	*	-13.746	-19.003	1.10	44.8474	9.6
...	23.196	-4.285	-4	...	...	*	19.385	+28.898	1.80	43.8039	8.8	...	13.691	+56.825	0.80	...	...
*	23.068	-57.415	1.10	44.8455	9.5	...	19.370	+41.759	0.80	43.8040	10.0	...	13.631	+48.686	-4	M	...
...	22.684	+36.915	0.80	43.8036	10.0	...	19.197	-8.370	-5	M	...	...	13.586	+9.791	-4	M	...
...	22.620	-43.887	-4	...	...	...	19.183	+1.809	-5	M	...	...	13.568	-24.360	-5	...	...
441	-22.491	+20.737	-5	M	...	501	-19.085	-42.503	-5	...	...	561	-13.536	-51.040	0.70	44.8475	10.0
...	22.375	-13.940	0.65	44.8456	10.0	...	18.994	+16.290	-4	M	...	...	13.497	+57.612	-5	M	...
...	22.336	-10.519	0.85	44.8457	9.9	...	18.913	-31.411	0.90	44.8467	9.9	*	13.373	-51.856	1.00	44.8476	9.6
...	22.317	+29.667	-4	M	...	...	18.739	-52.199	-4	...	...	...	13.315	+2.089	-3	44.8478	10.0
...	22.072	-19.226	-1	44.8459	10.0	...	18.507	+20.716	-1	43.8041	9.9	*	13.062	+2.408	1.60	43.8048	9.3
...	-22.026	+33.130	0.85	43.8037	9.9	...	-18.395	-37.897	-4	...	...	...	-12.920	-32.773	-5	...	...
...	22.013	-34.790	-3	...	...	...	18.320	-50.295	0.65	...	...	...	12.868	+31.558	-2	...	...
*	21.984	-54.180	1.15	44.8458	9.3	...	18.309	+55.206	-5	M	...	...	12.701	-3.711	1.30	44.8479	9.5
...	21.893	+56.771	-5	M	...	...	18.259	-26.935	-5	...	...	...	12.365	-15.809	-4	...	...
...	21.887	-56.093	-5	...	...	...	18.248	+38.448	0.70	...	...	...	12.313	+2.167	-1	43.8049	9.6
451	-21.842	+15.255	0.70	...	...	511	-18.129	+18.130	-1	...	...	571	-12.283	+45.014	-5	M	...
...	21.828	-14.717	-4	...	...	...	18.103	+20.721	-5	M	...	*	12.269	-17.933	1.20	44.8480	9.6
*	21.742	-8.270	1.35	44.8461	9.6	...	17.994	+52.334	-4	M	...	...	12.232	+2.631	-3	B	...
...	21.631	+18.432	-5	M	...	...	17.959	+30.354	-5	M	...	...	12.220	+54.650	-4	M	...
†	21.628	-20.011	-5	...	...	...	17.814	+27.535	-3	B	...	...	12.073	-29.889	1.00	44.8481	9.5
...	-21.583	-20.709	-3	...	...	...	-17.814	+35.273	-5	M	...	...	-12.034	+57.976	-4	M	...
*	21.561	-45.876	1.30	44.8460	9.3	...	17.725	+39.998	-1	...	...	*	11.974	-3.222	1.40	44.8482	9.4
...	21.501	-15.109	0.80	44.8463	10.0	...	17.716	+25.811	-4	M	...	...	11.830	+45.694	-2	...	...
...	21.498	+26.380	-4	M	...	...	17.690	+55.108	-5	M	...	...	11.806	-43.014	-5	...	...
...	21.485	-45.797	-5	...	...	...	17.609	+49.121	-3	B	...	...	11.753	-46.078	-1	...	...
461	-21.294	-16.757	1.60	44.8464	9.4	521	-17.542	+41.561	-5	M	...	581	-11.638	+46.874	-4	M	...
*	21.271	-52.567	1.90	44.8462	8.9	*	17.254	-41.295	3.00	44.8468	8.3	...	11.595	-21.528	-4	...	...
...	21.228	+24.989	-5	M	...	...	17.227	+40.755	-5	M	...	*	11.560	-27.835	2.50	44.8484	8.4
...	21.163	+42.257	-4	M	...	...	17.118	+42.945	-4	M	...	*	11.558	-46.710	1.40	44.8483	9.3
...	20.934	+36.426	-5	M	...	...	16.913	-14.815	-5	...	...	...	11.517	+33.654	-3	...	...
*	-20.915	-40.107	1.00	44.8465	9.8	...	-16.882	+31.329	0.70	...	...	...	-11.281	+53.437	-4	M	...
...	20.877	+28.538	-5	M	...	*	16.823	+45.631	1.00	43.8043	9.6	*	11.248	+45.035	0.95	43.8050	10.0
...	20.872	-31.270	-5	...	...	*	16.818	+22.795	1.40	43.8042	9.3	...	11.237	-28.664	-4	...	...
...	20.869	-50.696	-4	...	...	...	16.798	-2.027	-4	...	...	...	11.223	-26.775	-5	...	...
...	20.754	-16.589	-3	...	...	...	16.778	+19.068	-4	...	...	...	11.187	+57.836	0.90	43.8051	10.0
471	-20.744	-48.039	-4	...	...	531	-16.729	+11.484	-4	M	...	591	-11.151	+53.711	1.00	43.8052	9.8
...	20.735	-38.372	-3	...	...	F*	16.087	+0.155	1.00	43.8044	9.5	...	11.089	+33.276	-3	B	...
...	20.726	-13.876	-1	...	...	...	15.950	+31.059	-1	...	...	...	11.040	+24.688	-4	M	...
...	20.624	+51.629	-5	M	...	*	15.908	-45.585	1.60	44.8470	9.0	...	11.014	-55.531	-1	...	...
...	20.609	-41.301	-5	...	...	...	15.863	+0.183	-5	M	...	*	11.001	-10.953	1.30	44.8485	9.6
*	-20.594	+59.420	0.90	42.7751	10.0	...	-15.558	+4.606	-1	43.8045	10.0	...	-10.902	-42.584	-4	...	...
...	20.560	+11.276	-4	...	...	...	15.520	-49.446	0.70	44.8471	10.0	...	10.787	-40.437	-3	...	...
†	20.549	+29.943	-5	M	...	...	15.354	+9.465	-5	M	...	...	10.781	+23.054	-4	M	...
...	20.400	-40.607	-4	...	...	...	15.271	+47.454	-2	A	...	...	10.582	+53.779	-3	...	...
...	20.294	-16.536	-5	...	...	...	15.233	+56.938	-4	M	...	...	10.464	+45.283	-2	...	...

481. Var. L=8.5-12.5.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
601-660						661-720						721-780					
601	...	...	...	M	...	661	...	...	...	...	721	...	...	...	...	...
...	-10.457	+58.464	-5	M	...	...	-6.316	-13.342	-5	...	...	-1.685	-6.498	0.95	44.8505	9.6	
...	10.389	+47.599	-5	M	...	...	6.291	+55.707	-5	M	...	...	1.470	+53.502	-5	M m	...
...	10.377	-57.761	-1	...	...	...	6.206	-34.185	0.80	44.8497	10.0	*	1.414	+37.213	0.95	43.8066	9.8
*	10.373	+38.957	1.20	43.8053	9.6	*	6.122	-1.897	2.00	44.8498	9.1	...	1.376	+56.845	-4	M	...
†	10.145	-24.127	1.40	44.8486	9.3	...	5.962	-35.956	-4	...	...	...	1.353	+40.662	-5	M m	...
...	-10.030	-40.907	-5	...	...	†	-5.784	+44.892	-5	M	...	...	-1.187	-44.694	-5	...	...
...	9.943	-31.781	-5	...	...	...	5.699	-49.241	-1	...	...	...	1.184	-12.160	0.70	...	...
...	9.748	+41.901	-1	...	...	*	5.692	+59.682	2.00	42.7762	8.9	...	1.162	-37.626	-5	...	...
*	9.727	+48.633	1.80	43.8054	9.0	...	5.661	-54.137	-4	...	...	...	0.996	-28.165	-5	M	...
...	9.711	+38.574	-5	M	...	...	5.647	+3.561	-4	M	...	...	0.821	-32.273	-4	...	...
611	...	...	...	...	...	671	...	...	...	...	731	...	...	...	...	...
...	-9.676	-47.987	-4	...	...	...	-5.645	-6.112	-1	...	...	...	-0.806	-41.165	-5	M	...
...	9.668	-35.467	-5	...	...	...	5.455	-58.879	-3	...	...	...	0.618	-58.367	-4	...	...
...	9.640	-47.323	-5	...	...	...	5.344	-3.344	0.65	44.8499	10.0	...	0.536	-15.242	-4	...	...
...	9.535	-46.922	0.70	44.8487	10.0	...	5.069	+41.805	-2	A	...	...	0.409	+20.182	-5	M m	...
...	9.510	-6.105	-5	...	...	...	5.033	-39.721	-3	...	...	...	0.337	-51.022	-5	M	...
...	-9.467	+56.697	-3	B	...	...	-5.014	-46.657	-5	...	...	*	-0.323	+45.174	1.50	43.8067	9.2
...	9.285	+51.284	-2	...	...	*	5.005	+14.514	1.80	43.8058	9.3	...	0.311	-7.797	-4	...	...
...	9.240	+42.602	-4	M	...	...	4.915	+24.759	-5	M	...	...	0.278	-21.239	0.80	...	...
...	9.160	+33.427	-1	...	...	*	4.825	-57.445	1.00	44.8500	9.8	†	0.240	-14.911	-5	...	...
...	9.020	-44.770	-4	...	...	...	4.659	-13.166	-5	...	...	†	0.157	-8.416	-4	...	...
621	...	...	...	M	...	681	...	...	...	...	741	...	...	...	...	...
...	-8.983	+48.063	-5	M	...	...	-4.642	+54.229	-3	M	...	...	-0.090	+11.751	-4	M	...
...	8.966	+25.675	-5	M	...	*	4.640	+15.879	1.60	43.8059	9.4	...	-0.086	-36.059	-4	...	...
...	8.931	-10.844	-4	...	...	...	4.619	-25.776	-3	...	...	...	+0.092	+47.265	-2	...	...
...	8.916	-11.096	-2	...	...	...	4.540	+58.586	-5	M m	...	...	0.527	+26.085	-5	M m	...
...	8.861	-12.358	0.65	44.8488	10.0	*	4.515	-32.935	0.90	44.8501	10.0	...	0.611	-47.775	-5	...	...
...	-8.849	+42.378	-4	M	...	...	-4.502	+59.340	-5	M m	...	...	+0.833	-7.811	-3	...	...
...	8.759	+44.999	0.85	43.8056	10.0	...	4.349	-39.843	-3	...	...	...	1.072	+5.422	-4	M m	...
*	8.712	+20.672	1.30	43.8055	9.4	*	4.315	-36.783	1.80	44.8502	9.0	*	1.084	-42.786	0.95	44.8507	9.8
...	8.703	+32.310	-5	M	...	...	4.250	+54.302	-3	M	...	...	1.235	-57.748	-1	...	...
...	8.681	-42.503	-5	M	...	...	4.171	-9.353	-4	...	...	*	1.256	-50.011	1.20	44.8508	9.4
631	...	...	...	...	...	691	...	...	...	...	751	...	...	...	...	...
...	-8.587	-30.468	-5	...	...	...	-4.073	+47.034	0.85	43.8060	10.0	*	+1.270	-10.983	1.30	44.8509	9.5
...	8.576	-56.476	-5	...	...	...	3.797	-5.713	0.65	...	...	...	1.316	+29.290	-4	M	...
*	8.476	-30.437	1.00	44.8489	9.8	...	3.777	-52.532	-5	M	...	...	1.422	-32.476	-3	...	...
...	8.381	-37.656	0.90	44.8490	9.9	M	3.775	+1.391	0.70	43.8061	10.0	...	1.474	-41.928	-4	...	...
...	8.350	+47.728	-5	M	...	...	3.768	+55.800	-4	M m	...	...	1.505	-52.858	-4	...	...
...	-8.319	+37.289	0.70	...	...	...	-3.697	-59.497	-3	...	...	...	+1.538	+20.190	-4	M	...
*	8.316	-38.598	1.20	44.8491	9.6	...	3.667	-49.815	-5	...	...	...	1.544	+0.228	-3	F m	...
...	8.123	+15.872	-5	M	...	...	3.656	+43.428	-5	M m	...	...	1.718	-42.115	-4	...	...
S*	8.114	-32.377	3.50	44.8492	7.9	*	3.321	+3.537	1.60	43.8062	9.3	...	1.721	-42.731	-5	M	...
...	8.080	-51.197	0.70	...	...	...	3.206	-47.511	-4	...	...	...	1.827	-5.473	-5	M	...
641	...	...	...	M	...	701	...	...	...	...	761	...	...	...	...	...
...	-8.033	+54.936	-5	M	...	...	-3.200	-35.722	-1	...	...	*	+1.856	-11.462	1.00	44.8510	9.8
...	7.955	-27.713	-1	44.8494	10.0	...	3.053	-2.861	0.95	44.8503	9.8	...	1.968	-15.278	-1	44.8511	10.0
*	7.941	-57.671	1.15	44.8493	9.4	...	3.009	-46.343	-5	...	...	...	2.029	+18.197	-5	M m	...
...	7.878	-48.059	0.70	...	...	...	2.903	+10.572	-1	...	...	...	2.095	+59.150	-1	42.7768	10.0
*	7.648	-32.445	1.70	44.8495	9.2	...	2.897	-19.151	-5	M	...	...	2.179	+7.229	-1	43.8068	10.0
...	-7.505	+48.482	-5	M	...	...	-2.865	-43.577	-4	...	...	...	+2.262	-34.815	-3	...	...
...	7.498	+54.589	0.80	...	...	*	2.799	+51.587	0.90	43.8063	10.0	...	2.372	-57.406	-5	M	...
...	7.468	+38.181	0.70	...	...	*	2.670	-55.211	0.90	44.8504	9.8	...	2.391	+47.851	-2	M	...
...	7.377	-50.937	-5	...	...	...	2.548	+32.102	-4	M m	...	...	2.392	+51.243	0.85	...	...
...	7.355	-50.140	-5	...	...	...	2.496	+4.762	0.85	...	...	...	2.450	+37.477	-5	M m	...
651	...	...	...	...	...	711	...	...	...	...	771	...	...	...	...	...
...	-7.271	-21.844	0.65	44.8496	10.0	...	-2.417	+21.281	-5	M	...	...	+2.460	+35.478	-2	M	...
...	7.238	-30.384	0.80	...	...	...	2.344	-35.382	-3	...	...	...	2.547	-13.427	-2	...	...
...	7.196	+59.295	-5	M	...	...	2.296	-56.099	-4	...	...	...	2.594	-41.620	-4	...	...
...	7.132	-43.918	-5	...	...	...	2.116	-31.943	-5	...	...	...	2.701	-58.104	-5	M	...
...	7.083	-42.832	-1	...	...	...	2.023	-57.773	-3	...	...	...	2.734	-57.850	0.70	44.8512	10.0
...	-6.955	-14.586	-1	...	...	...	-1.819	+59.505	0.70	...	...	...	+2.771	-48.029	0.80	44.8513	10.0
...	6.920	+44.386	-5	...	...	*	1.783	+21.984	1.00	43.8064	9.8	...	3.017	+40.047	-3	M	...
...	6.894	-41.019	-5	M	...	...	1.780	+14.008	-5	M m	...	...	3.071	-33.325	-3	...	...
...	6.743	-16.253	-5	...	...	*	1.776	+29.177	1.10	43.8065	9.8	...	3.136	-41.712	-5	...	...
*	6.637	+16.354	1.35	43.8057	9.4	...	1.731	-31.809	0.70	...	...	*	3.158	+21.315	1.40	43.8069	9.4

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-2.	No.	Mag.	x.	y.		-2.	No.	Mag.	x.	y.	-2.	No.		Mag.	x.	y.	-2.	No.	Mag.	x.	y.	-2.	No.	Mag.
781-840																										
781
...	+	3.173	-58.630	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	3.259	+20.206	0.90	43.8070	9.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	3.497	-14.792	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
S*	...	3.631	+32.827	3.70	43.8071	7.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	3.673	+13.966	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	3.917	+49.640	-5	M m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	3.963	-43.166	1.60	44.8514	9.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	4.201	-56.180	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	4.385	-17.177	-5	M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	4.508	+49.428	-4	M m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
841-900																										
841
...	+	8.112	-38.836	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.132	+58.900	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.156	+36.540	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.198	-36.394	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.280	-11.511	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	8.338	-37.241	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	8.429	+22.748	1.00	43.8079	9.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.477	-26.412	-1	44.8522	10.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.484	-22.145	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.684	+9.756	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
901-960																										
901
...	+	12.231	-47.105	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.342	-47.985	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.435	+52.067	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	12.583	+44.963	1.15	43.8086	9.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.588	-40.710	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	12.603	+58.854	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.619	+47.086	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.677	-33.189	0.85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.688	+49.998	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.958	-28.922	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
961-1020																										
961
...	+	12.975	+22.080	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.998	-42.253	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.020	-57.398	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.068	+26.401	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	13.085	-33.917	2.00	44.8529	9.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	13.093	+27.685	-4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.146	+47.240	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.190	-19.104	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.208	-43.942	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	13.255	+40.018	1.10	43.8087	9.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1021-1080																										
1021
...	+	13.322	-51.939	0.85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	13.375	-59.228	1.05	44.8530	9.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.432	+44.499	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.532	+1.945	-2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.533	+54.144	0.75	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	13.726	-14.032	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.758	-45.202	0.85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.775	+34.086	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.822	-10.729	0.75	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	13.893	-8.687	2.00	44.8531	9.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1081-1140																										
1081
...	+	10.467	+8.965	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.473	-30.446	1.15	44.8526	9.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.541	-30.766	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.697	-58.924	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.880	-54.985	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	10.938	+20.396	1.80	43.8082	9.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.968	-57.997	1.00	44.8527	9.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.058	+23.414																							

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
961-1020						1021-1080						1081-1140					
961	+16.292	-15.560	0.65	...	...	1021	+20.467	-42.639	1.90	44.8538	8.8	1081	+24.826	-47.293	-3	...	...
...	16.402	-33.837	-3	...	...	...	20.495	-59.070	-5	...	...	...	24.851	-7.158	-1	...	...
...	16.434	+43.633	0.70	...	...	...	20.813	-18.173	-3	...	...	...	24.867	-24.809	0.80	...	...
...	16.459	+0.048	-5	m	...	...	20.838	-54.814	-4	...	...	...	24.871	+24.745	-4	m	...
...	16.484	+57.424	-5	m	...	...	20.874	-56.396	-2	...	...	...	24.887	+18.522	-3	...	...
...	+16.511	-27.426	-3	...	...	...	+20.953	+36.134	-5	m	...	...	+24.932	+38.151	-2	...	...
...	16.563	+21.330	-4	...	...	...	20.959	-33.507	-2	...	...	...	24.956	+51.060	-4	m	...
...	16.670	-1.057	0.80	...	...	...	21.046	-27.909	-1	...	...	...	24.971	-19.554	-4	...	...
...	16.681	+57.444	-1	...	...	...	21.061	-1.034	-5	...	...	n †	24.992	-35.004	0.85	44.8542	9.8
...	16.731	+11.116	-2	...	...	...	21.112	-14.670	0.90	...	...	*	25.096	-28.951	1.00	...	...
971	+16.732	-10.350	1.90	44.8533	9.3	1031	+21.266	-8.224	-5	...	...	1091	+25.110	-38.858	-2	...	...
...	16.763	+42.423	-1	...	...	...	21.332	+24.263	-4	...	...	...	25.143	+30.340	-3	...	...
...	16.773	-31.836	-5	...	...	...	21.351	-30.813	-5	...	...	n †	25.147	-34.994	0.75	44.8542	9.8
...	16.799	+9.653	-5	m	...	...	21.488	+24.123	-4	...	...	...	25.173	-30.691	-4	...	...
...	16.874	-6.327	-5	...	...	...	21.515	-46.309	-5	...	...	...	25.185	+26.872	0.85	...	...
...	+16.932	+25.956	-4	...	...	...	+21.578	-12.886	-5	...	...	...	+25.315	-33.464	-2	...	...
...	16.996	-55.340	-5	...	...	...	21.631	-30.733	-2	...	...	*	25.321	-22.964	1.20	44.8543	9.3
...	17.005	-59.040	-5	...	...	...	21.633	-14.581	-4	...	...	*	25.404	-23.441	1.50	44.8544	9.3
...	* 17.009	+30.143	1.10	43.8089	9.8	...	21.851	+0.736	-1	...	...	...	25.535	-57.686	-5	...	...
...	17.340	-32.278	-4	...	...	...	21.896	+52.104	-3	...	...	...	25.593	+28.019	-4	...	...
981	+17.352	+29.519	1.30	43.8090	9.8	1041	+22.019	-13.477	-4	...	...	1101	+25.611	-40.919	-4	...	...
†	17.377	-49.917	-5	...	...	...	22.058	+46.309	-1	...	...	...	25.882	-4.036	-5	...	...
...	17.407	-10.543	-5	...	...	...	22.063	-9.509	-2	...	...	*	25.955	-58.268	1.00	...	...
...	17.437	+4.809	-5	m	...	...	22.114	+16.486	-5	...	...	...	26.026	-47.104	-5	...	...
...	17.483	+55.026	-5	m	...	...	22.131	+39.718	-4	...	...	...	26.276	+41.341	-2	...	...
...	+17.599	+8.947	-5	...	...	...	+22.191	+22.008	0.85	...	...	...	+26.282	+30.508	-2	...	...
...	17.659	-25.509	0.65	...	...	*	22.258	+34.290	1.40	43.8093	9.3	...	26.318	+10.616	-5	m	...
...	17.697	-54.061	-5	...	...	...	22.278	+32.727	-3	...	...	†	26.548	+59.748	-1	...	...
...	* 17.802	-30.574	1.45	44.8534	9.5	...	22.340	-38.705	-5	...	...	*	26.665	-53.357	1.80	44.8545	8.8
...	17.896	-56.771	0.70	...	...	...	22.344	+50.745	-3	...	...	...	26.702	+47.320	-4	m	...
991	+17.924	+4.092	1.15	43.8091	9.8	1051	+22.377	-38.904	0.90	...	...	1111	+26.738	+48.730	-4	...	...
...	17.954	-14.860	-5	...	...	...	22.423	+26.536	-4	...	...	...	26.759	-46.574	-1	...	...
...	18.053	-47.956	-4	...	...	...	22.468	-23.063	-4	...	...	...	26.840	-20.257	-4	...	...
...	18.148	+52.133	-5	m	...	...	22.705	-27.796	-1	...	...	...	26.908	-26.093	-5	...	...
...	18.153	+55.426	-5	m	...	...	22.788	-57.218	-4	...	...	...	27.027	+48.126	-5	m	...
...	+18.193	+55.169	0.65	...	...	...	+22.796	+26.745	-4	...	...	...	+27.091	-26.844	-4	...	...
...	18.259	-26.372	-5	...	...	...	22.843	-32.636	-2	...	...	...	27.131	-30.054	-5	...	...
...	* 18.260	-17.273	2.00	44.8535	9.2	*	22.886	-34.756	1.00	44.8539	9.8	...	27.262	-38.433	-5	...	...
...	18.288	-57.065	-3	...	...	...	23.177	-14.737	0.80	...	...	S *	27.363	-39.677	3.40	44.8546	7.4
...	18.379	+14.849	0.85	...	...	...	23.209	+33.062	0.80	...	...	...	27.377	+0.929	-5	m	...
1001	+18.471	-23.604	-3	...	...	1061	+23.247	-34.068	-3	...	...	1121	+27.388	+18.875	-3	...	...
...	18.738	-16.308	-2	...	...	...	23.346	+16.392	0.85	...	...	...	27.445	-9.098	-4	...	...
...	18.799	+45.830	-5	m	...	...	23.408	-49.355	-5	...	...	...	27.509	-46.321	-1	...	...
...	18.969	+58.980	-5	m	...	...	23.591	-5.260	-5	...	...	*	27.522	+19.439	1.00	...	...
...	19.040	-25.571	0.85	...	...	...	23.685	+56.458	-5	m	...	...	27.638	-37.529	-4	...	...
...	* 19.132	-32.396	1.05	...	...	...	+23.694	-43.401	-4	...	...	...	+27.709	-3.488	-3	...	...
...	* 19.132	+6.550	5.60	...	...	*	23.707	-46.996	0.95	...	...	...	27.730	+56.851	-4	...	...
...	* 19.181	+6.336	2.00	43.8092	7.1	...	23.804	-25.342	0.90	44.8540	9.8	...	27.766	+59.188	-5	m	...
...	19.171	+50.038	-5	...	...	...	23.832	-15.604	-2	...	...	...	27.798	+37.510	-5	m	...
...	19.223	-8.439	-4	...	...	*	23.872	+33.092	0.95	...	...	...	27.802	-13.813	-5	...	...
1011	+19.280	-54.998	-4	...	...	1071	+23.924	+1.760	-5	m	...	1131	+28.045	-26.844	-1	...	...
...	19.297	-44.186	-5	...	...	...	23.961	-58.343	-4	...	...	...	28.533	-36.187	-4	m	...
...	19.320	-58.578	0.75	...	...	...	24.021	+28.873	-3	...	...	...	28.618	-10.603	-2	...	...
...	19.389	-59.645	0.80	...	...	...	24.024	-47.428	0.80	...	...	...	28.696	-12.534	-5	...	...
...	19.452	+52.800	-5	m	...	*	24.110	+31.664	1.30	43.8094	9.6	...	29.023	-30.454	0.75	...	...
...	+19.473	-30.157	-2	...	...	...	+24.127	+55.189	0.70	...	...	*	+29.174	+58.530	0.95	...	...
...	19.538	-43.799	-5	...	...	*	24.167	-9.759	1.40	44.8541	9.4	...	29.182	-23.963	-2	...	...
...	19.693	-0.799	-5	...	...	...	24.273	-11.144	-4	...	...	*	29.307	+33.505	1.20	43.8095	9.8
...	19.785	-37.088	1.40	44.8536	9.3	...	24.343	-46.241	-4	...	...	...	29.325	+37.711	-4	m	...
...	20.268	-24.911	1.00	44.8537	9.8	†	24.787	+45.927	-5	...	...	†	29.397	-19.997	-3	...	...

1089, 1093. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1141-1200						1201-1260						1261-1320					
I141	+29.408	-32.393	0.95	...	...	I201	+33.263	-39.047	0.65	...	...	I261	+36.897	-43.936	-5	...	...
*	29.414	+38.276	1.40	43.8096	9.3	...	33.398	+30.281	-3	...	...	...	36.945	+6.376	0.70	...	...
...	29.480	+57.668	-4	<i>m</i>	...	...	33.402	+1.015	-4	...	...	...	36.946	-18.058	-5	...	...
*	29.655	+51.021	1.50	43.8097	9.4	...	33.447	-13.764	-5	...	...	...	37.146	-11.733	-3	...	...
†	29.755	-28.441	0.70	...	...	...	33.495	-15.214	-5	...	...	...	37.170	-30.529	-5	...	...
...	+29.834	+38.082	-3	...	...	...	+33.682	-16.044	-3	...	...	*	+37.212	-23.638	0.95	44.8554	9.8
...	29.860	+48.476	0.65	...	...	...	33.714	+19.479	-5	<i>m</i>	...	...	37.255	+15.393	0.80	...	...
...	29.917	-51.792	-5	<i>m</i>	...	...	33.834	-4.194	-5	...	...	...	37.311	+2.894	-4	...	...
...	29.949	-55.143	-4	...	...	...	34.014	+48.326	-5	<i>m</i>	...	*	37.368	-53.061	1.20	44.8555	9.6
...	30.035	-41.211	-4	...	...	*	34.022	-48.901	1.25	44.8550	9.4	...	37.373	-26.471	-1	...	...
I151	+30.038	-23.159	-5	...	...	I211	+34.032	+50.482	-3	...	...	I271	+37.394	+33.516	0.80	...	...
...	30.051	+45.858	-5	<i>m</i>	...	...	34.156	-28.885	-4	...	...	...	37.439	-17.278	-5	...	...
*	30.137	+31.663	2.60	43.8098	8.6	...	34.258	+34.515	-5	<i>m</i>	...	...	37.500	-26.536	-5	...	...
...	30.148	-4.018	0.80	...	...	...	34.290	+13.751	-5	<i>m</i>	...	...	37.561	+37.750	-5	<i>m</i>	...
...	30.176	+32.357	-5	<i>m</i>	...	*	34.323	+47.069	0.90	...	...	...	37.620	+45.967	0.80	...	...
...	+30.392	+15.611	-3	...	...	...	+34.334	-45.653	-5	...	...	...	+37.680	-42.574	-5	<i>m</i>	...
...	30.468	-49.303	0.65	...	...	...	34.653	-43.441	-5	...	...	...	37.747	-38.505	-4	...	...
...	30.517	+0.785	-5	<i>m</i>	...	...	34.658	+27.709	-5	<i>m</i>	...	...	37.758	-14.511	-2	...	...
*	30.525	+35.057	1.15	43.8099	9.8	...	34.813	+50.314	1.00	43.8104	9.8	...	37.844	-19.914	-5	...	...
...	30.549	+47.305	-3	...	...	*	34.836	-40.448	1.70	44.8551	9.3	...	37.916	-34.689	-2	...	...
I161	+30.584	-55.635	-5	<i>m</i>	...	I221	+35.017	-18.950	-5	...	...	I281	+37.985	+22.228	-4	...	...
...	30.693	-14.504	0.65	...	...	...	35.154	+24.123	-4	<i>m</i>	...	...	38.004	-10.172	-5	...	...
...	30.801	+3.776	-3	...	...	...	35.184	-45.069	-2	...	...	...	38.082	+10.868	-4	...	...
...	30.807	-30.918	-4	...	...	...	35.211	+46.212	-4	...	...	...	38.101	+53.280	-5	...	...
...	31.034	+13.981	0.75	...	...	...	35.277	-32.259	-3	...	...	*	38.113	+2.803	1.30	43.8110	9.6
...	+31.052	-20.273	-5	...	...	...	+35.286	-16.532	-2	...	...	...	+38.142	-4.602	-5	...	...
*	31.063	+16.839	1.60	43.8100	9.5	S*	35.304	+19.446	3.00	43.8105	8.2	*	38.276	+17.791	1.80	43.8109	9.3
...	31.129	-20.841	-4	...	...	...	35.318	-54.659	-5	<i>m</i>	...	*	38.313	-32.417	1.00	44.8556	9.8
...	31.142	-41.194	-5	...	...	...	35.379	-30.772	-5	...	...	...	38.338	-35.935	0.70	...	...
...	31.205	+1.742	-5	...	...	...	35.513	-0.503	0.65	...	...	*	38.417	+15.037	1.60	43.8111	9.4
I171	+31.256	-26.158	-5	<i>m</i>	...	I231	+35.576	+51.507	-3	...	...	I291	+38.496	+7.263	-2	...	...
*	31.326	+17.734	1.60	43.8101	9.5	...	35.599	-13.394	-5	...	...	...	38.561	-50.339	-4	...	...
...	31.349	-54.021	0.70	...	...	...	35.628	+15.468	-1	...	...	...	38.591	-16.548	-2	...	...
...	31.411	-18.238	-5	...	...	*	35.668	-55.322	0.90	44.8553	9.8	...	38.703	-17.392	-5	...	...
...	31.433	+44.989	-4	<i>a</i>	...	...	35.682	+42.184	-3	...	...	...	38.717	+12.014	-1	...	...
...	+31.542	-15.109	-3	...	...	*	+35.691	+36.254	1.40	43.8106	9.3	...	+38.747	-56.107	-3	...	...
...	31.653	-2.768	0.80	...	...	...	35.757	+56.587	-1	...	...	...	38.764	-43.476	-5	...	...
...	31.761	-1.345	-4	...	...	...	35.782	-32.003	-5	...	...	...	38.864	-47.384	0.65	...	...
...	31.800	-45.360	-5	...	...	...	35.859	+8.041	-5	<i>m</i>	...	...	38.872	-12.500	-5	...	...
...	31.818	+28.928	-3	...	...	...	35.900	+2.236	-1	...	...	...	38.905	+47.733	0.80	...	...
I181	+31.849	+54.478	-5	<i>m</i>	...	I241	+35.911	-35.872	-5	...	...	I301	+38.937	-33.738	0.65	...	...
...	31.867	-47.767	-3	...	...	...	35.924	+6.618	-5	...	...	*	38.949	-15.556	1.35	44.8557	9.6
...	31.920	-27.957	-5	...	...	...	35.945	+50.850	-5	<i>m</i>	...	...	38.984	+19.613	-5	...	...
†	31.944	+24.948	0.95	43.8102	9.8	...	35.970	-5.020	1.00	44.8552	9.8	...	38.992	-53.262	0.65	...	...
...	31.958	-28.410	0.75	...	...	...	35.988	-16.197	-4	...	...	...	39.004	+9.583	-5	<i>m</i>	...
...	+31.998	-25.929	-5	...	...	...	+36.181	+59.000	-3	...	...	...	+39.079	-25.883	-5	...	...
...	32.006	-27.732	0.70	...	...	...	36.190	-21.193	-3	...	...	...	39.134	-7.068	-4	...	...
*	32.204	-37.817	1.05	44.8548	9.6	...	36.233	-41.654	-5	...	...	...	39.184	+12.223	0.65	...	...
*	32.253	-7.092	2.60	44.8547	8.7	...	36.246	+36.997	1.20	43.8107	9.6	...	39.226	+18.997	-4	...	...
...	32.419	+17.464	0.75	...	...	...	36.339	-42.477	-5	<i>m</i>	...	...	39.376	-5.735	-5	...	...
I191	+32.458	+51.459	-5	<i>m</i>	...	I251	+36.340	-24.899	-3	...	...	I311	+39.718	-29.384	-3	...	...
...	32.541	+39.538	-1	...	...	...	36.401	+56.299	-5	<i>m</i>	...	...	39.768	-1.472	-4	...	...
...	32.605	+13.211	-4	...	...	...	36.419	+14.060	-5	<i>m</i>	...	...	39.805	-55.639	-3	...	...
...	32.967	-19.562	-5	...	...	...	36.455	-38.232	-3	...	...	...	39.810	+48.898	0.65	...	...
*	32.983	-18.966	1.15	44.8549	9.8	...	36.466	+25.850	0.70	...	...	...	39.961	+3.731	-4	...	...
...	+32.985	+45.162	-5	<i>m</i>	...	...	+36.493	+27.823	0.80	...	...	...	+40.032	-41.366	-5	...	...
*	33.023	+53.123	2.20	43.8103	9.0	...	36.595	+17.961	-5	<i>m</i>	...	...	40.119	-7.481	-5	...	...
...	33.139	+25.615	0.70	...	...	...	36.760	+14.467	-2	...	...	...	40.121	+0.214	0.80	...	...
...	33.149	-27.574	-5	...	...	S*	36.839	+51.092	3.40	43.8108	7.3	...	40.167	+0.416	-3	...	...
...	33.238	-26.023	0.70	...	...	...	36.860	-2.775	-4	...	...	...	40.286	-14.402	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1321-1380						1381-1440						1441-1500					
1321	+40.363	-17.026	-1	o	...	1381	+44.480	-40.643	-4	o	...	1441	+49.298	-50.253	0.80	o	...
*	40.433	-45.678	1.00	44.8558	9.8	...	44.490	+44.714	-2	...	...	...	49.335	-29.279	-5	m	...
...	40.446	+34.000	-1	...	...	...	44.772	-33.529	-5	...	...	...	49.347	2.707	-3	e	...
*	40.497	+40.816	1.10	43.8113	9.8	...	44.787	-21.300	0.75	...	...	*	49.388	+49.549	1.40	43.8120	9.8
*	40.545	+56.925	1.50	43.8112	9.3	...	44.848	-17.142	-4	...	...	...	49.401	+7.176	-3	...	...
...	+40.624	-38.803	-5	m	...	...	+44.868	+21.174	-5	m	...	...	+49.402	-14.413	-2	...	...
...	40.664	+11.280	-5	m	...	...	44.916	-27.345	-5	...	...	...	49.485	+2.015	-3	...	...
...	40.723	-4.147	-5	...	...	...	44.922	+56.907	0.90	...	...	...	49.575	+43.486	-3	...	...
+	40.727	+29.941	0.90	43.8114	9.8	...	44.978	-55.019	0.85	...	...	...	49.595	+15.276	-4	...	...
...	40.783	+12.528	-5	m	...	...	45.050	+23.465	-3	...	...	...	49.596	+38.468	-4	...	...
1331	+40.991	+25.051	-5	m	...	1391	+45.215	+30.005	1.00	43.8116	9.8	1451	+49.622	-20.490	-3	...	...
...	41.050	-26.407	-5	...	...	...	45.245	-36.477	-5	...	...	...	49.847	+19.146	0.65	...	...
...	41.095	-0.298	-2	α	...	...	45.330	-1.856	-5	...	...	...	49.916	-35.504	-4	...	...
...	41.153	+31.375	-5	m	...	...	45.335	-53.952	-4	...	...	...	50.010	-48.457	-5	...	...
...	41.379	+6.448	-5	m	...	*	45.500	-35.853	1.00	44.8563	9.8	*	50.098	-34.127	1.20	44.8570	9.6
*	+41.381	+55.589	1.30	43.8115	9.8	...	+45.557	+32.801	-5	m	...	...	+50.160	+33.282	-4	...	...
...	41.440	+37.240	-5	m	...	*	45.578	-3.257	0.90	...	...	...	50.320	+54.528	0.85	...	...
*	41.487	+22.514	0.90	...	...	...	45.579	+11.409	-1	...	...	...	50.353	-40.375	-3	...	...
...	41.522	+32.582	-5	m	...	*	45.871	-33.649	1.30	44.8564	9.6	...	50.358	+21.337	0.75	...	...
...	41.542	+25.398	-2	...	...	...	46.045	+10.512	-5	m	...	†	50.368	+19.850	0.80	...	...
1341	+41.598	-34.569	1.50	44.8559	9.2	1401	+46.093	+4.372	-3	...	...	...	+50.406	+0.188	-5	e	...
*	41.705	+17.957	0.95	...	...	...	46.100	-33.158	-5	...	...	...	50.526	-56.972	0.95	...	...
...	41.877	+25.773	-4	m	...	...	46.185	+28.737	-3	...	...	...	50.565	+5.180	-4	...	...
...	41.983	-10.906	-5	...	...	...	46.224	-11.315	0.80	...	...	*	50.585	-31.501	1.00	44.8571	9.8
...	42.006	+14.187	-5	m	...	...	46.285	-27.542	-4	...	...	...	50.618	+44.706	-5	...	...
...	+42.057	-38.135	-1	...	...	...	+46.337	+16.524	0.80	...	...	*	+50.663	+6.344	1.00	43.8121	9.8
...	42.068	-35.365	-5	...	...	...	46.444	+28.126	-2	...	...	*	50.675	+27.583	0.95	...	...
...	42.111	-57.461	-4	...	...	...	46.644	-2.151	-3	...	...	...	50.691	+57.909	-5	m	...
*	42.165	-33.246	1.40	44.8560	9.1	*	46.694	+15.391	1.10	43.8117	9.8	...	50.823	+43.271	-5	m	...
...	42.180	+59.539	-4	...	...	...	46.890	-35.454	-4	...	...	...	50.887	+35.083	-5	m	...
1351	+42.209	-9.957	-5	...	...	1411	+46.895	+7.294	-5	m	...	1471	+50.909	+38.590	-3	...	...
...	42.235	-9.474	-4	...	...	...	46.944	-59.831	-4	...	...	...	50.990	-36.710	-5	...	...
...	42.247	+37.784	0.80	...	...	...	47.052	+9.821	-4	m	...	*	51.053	-54.093	1.10	44.8572	9.8
...	42.414	-38.330	-5	...	...	...	47.069	+37.374	-4	...	...	...	51.183	-14.114	0.75	...	...
...	42.485	+13.673	-5	m	...	...	47.140	+48.895	-5	m	...	...	51.245	-24.624	-2	...	...
...	+42.590	+22.855	0.75	...	...	...	+47.171	-22.514	-4	...	...	...	+51.302	-17.735	-4	...	...
...	42.597	+12.711	-4	...	...	*	47.344	+41.562	0.95	...	...	...	51.338	-14.288	-5	...	...
*	42.714	-56.193	1.60	44.8561	9.2	*	47.397	-14.859	1.80	44.8565	8.7	...	51.382	-23.087	-4	...	...
...	42.745	-37.157	-4	...	...	...	47.398	-34.516	-4	...	...	...	51.453	-13.004	-5	m	...
...	42.747	+51.669	-3	...	...	...	47.478	-48.807	-3	...	...	...	51.541	-42.817	-5	...	...
1361	+42.977	-24.874	-2	...	...	1421	+47.561	-53.747	1.60	44.8566	9.2	1481	+51.542	-32.320	0.75	...	...
...	43.055	+37.563	-3	...	...	*	47.625	+26.466	1.80	43.8118	9.0	...	51.598	+0.864	-5	m	...
...	43.056	-22.897	-5	...	...	...	47.725	+42.995	0.80	...	...	...	51.693	-30.813	-5	e	...
...	43.212	+50.232	-1	...	...	...	47.808	+11.819	-1	...	...	...	51.817	+46.781	-5	m	...
...	43.219	-31.382	-5	m	...	...	47.861	-37.658	-3	...	...	...	51.926	+34.270	0.70	...	...
...	+43.245	-52.262	-3	...	...	...	+47.938	-16.520	-1	...	...	*	+51.960	-5.402	1.70	43.8122	9.3
...	43.279	+24.998	-5	m	...	...	48.071	-54.224	0.90	...	...	*	52.003	-47.839	1.35	44.8574	9.6
...	43.385	+49.174	-1	...	...	...	48.197	-32.788	-5	e	...	*	52.077	-15.130	1.40	44.8573	8.3
*	43.446	-16.832	1.20	44.8562	9.8	...	48.275	-8.952	-4	...	...	†	52.175	-15.006	1.40	...	...
...	43.611	+25.619	-5	m	...	...	48.409	-14.945	1.60	44.8567	8.9	...	52.190	-53.720	-4	...	...
1371	+43.615	-27.879	-4	...	...	1431	+48.415	-30.312	-4	...	...	1491	+52.373	-2.002	0.90	...	...
...	43.718	-27.843	-5	...	...	*	48.448	-58.711	1.20	44.8569	9.8	...	52.421	-27.335	-5	...	...
...	43.791	+16.913	-3	...	...	...	48.592	+47.026	-5	m	...	*	52.527	-12.241	0.90	...	...
...	43.804	-32.721	-4	...	...	...	48.623	-7.720	-4	...	...	...	52.697	-32.474	0.80	...	...
...	44.039	-35.076	-4	...	...	*	48.675	+48.188	1.20	43.8119	9.6	...	52.882	-43.150	-5	...	...
...	+44.129	+57.778	-5	m	...	...	+48.784	+14.267	-2	...	...	*	52.703	-20.340	0.95	44.8575	9.8
...	44.145	+16.098	-3	...	...	*	48.888	-7.594	1.00	44.8568	9.8	†	52.801	-49.858	-3	...	...
...	44.350	-54.473	-3	...	...	...	49.020	-41.937	-4	...	...	...	52.895	-45.786	-4	...	...
...	44.352	-14.720	-5	...	...	...	49.170	+42.187	-4	...	...	...	52.900	-47.912	-5	...	...
...	44.462	+3.505	-5	m	...	...	49.242	-53.306	-5	...	...	...	52.911	-9.505	-5	...	...

Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1501-1550						1551-1600						1601-1624					
150I	...	...	...	...	...	155I	...	...	...	...	...	160I	...	...	...	...	...
...	+52°9'69	-45°55'4	-5	...	...	...	+55°8'79	-32°9'84	0·65	...	...	...	+58°3'86	+35°2'35	0·80	...	...
...	53°0'68	-19°52'2	-5	...	...	...	55°9'87	+22°5'83	-5	e	...	...	58°3'88	-36°7'11	-5	...	...
...	53°0'69	+34°9'45	-4	...	...	...	56°0'13	-31°3'18	-3	...	...	...	58°5'02	+14°2'18	-4	e	...
...	53°0'88	+3°44'3	0·70	...	...	*	56°0'89	-7°9'01	1·00	44·8580	9·8	...	58°5'38	+23°0'37	-4	...	...
...	53°1'04	-36°3'76	-5	e	...	...	56°0'94	+16°3'31	-5	e	...	...	58°5'39	-48°3'54	0·80	...	...
n	+53°1'45	-45°2'03	0·90	44·8577	9·8	...	+56°1'28	-27°3'32	0·70	...	...	...	+58°5'67	-25°1'96	-5	...	...
...	53°2'11	+43°3'87	-5	e	...	...	56°2'98	+53°8'25	-5	...	...	...	58°6'30	+5°9'56	-5	e	...
...	53°2'43	-3°7'13	-5	...	...	...	56°3'02	-18°2'25	0·80	...	...	...	58°7'61	+11°4'56	-4	e	...
n	53°3'23	-45°2'57	0·90	44·8577	9·8	...	56°4'30	+11°3'81	-4	...	...	...	58°7'75	-10°6'60	0·80	...	...
...	53°3'75	-42°2'38	0·85	...	...	...	56°4'31	-27°7'69	-3	...	...	...	* 58°7'76	-57°6'15	2·70	44·8585	8·4
151I	...	...	...	...	...	156I	...	...	...	...	...	161I	...	...	...	...	...
S*	+53°4'11	-18°4'94	2·00	44·8576	8·5	...	+56°4'37	+33°8'88	0·70	...	...	...	* +58°7'93	-44°1'56	1·10	44·8584	9·8
...	53°4'45	+9°0'54	-4	e	...	...	56°5'41	-23°6'63	0·80	...	...	...	58°8'17	+11°1'26	-1	...	...
...	53°4'53	+42°8'92	-5	e	...	...	56°5'62	+44°1'92	-4	...	...	...	58°8'58	+11°5'53	-2	...	...
...	53°4'73	-26°6'22	-5	...	...	...	56°6'00	+7°4'26	0·80	...	...	*	58°9'42	+47°2'06	2·00	43·8128	9·2
...	53°6'92	-38°0'20	-3	...	...	...	56°6'01	+17°5'18	-4	...	...	...	59°0'15	+35°0'86	-5	m	...
...	+53°7'68	+31°7'05	0·85	...	...	*	+56°6'72	-2°0'39	1·30	44·8581	9·6	...	+59°0'27	-2°9'28	0·70	...	...
...	53°8'85	-38°0'24	-5	...	...	...	56°6'86	-34°6'93	0·75	...	...	...	59°0'56	-36°9'80	-5	...	...
‡	53°9'37	-9°9'53	1·20	44·8578	9·6	...	56°6'89	+16°4'16	0·80	...	...	...	59°0'94	+12°9'90	-3	...	...
...	54°0'51	-47°6'23	0·80	...	...	*	56°6'97	-19°7'70	1·20	44·8582	9·6	...	59°1'12	-16°0'13	-5	...	...
...	54°0'52	+20°5'52	-5	m	...	...	56°8'29	-41°4'32	0·85	...	...	...	59°1'16	+5°8'13	0·75	...	...
152I	...	...	...	...	...	157I	...	...	...	...	...	162I	...	...	...	...	...
...	+54°0'60	-1°7'12	-5	...	...	*	+56°9'20	-15°7'08	1·80	44·8583	9·0	...	... +59°1'48	+13°2'87	-4	e	...
...	54°0'79	-58°7'81	-5	...	...	...	56°9'43	-22°8'36	0·80	...	...	...	59°1'72	+41°4'80	-4	...	...
...	54°1'27	+43°2'02	0·75	...	...	...	56°9'68	-19°3'58	-3	...	...	...	59°3'70	-54°9'98	-5	...	...
...	54°1'50	-7°8'68	-5	...	...	*	57°0'63	+42°1'45	1·15	...	...	...	† 59°6'18	-37°4'36	-5	...	...
†	54°1'59	+29°8'36	0·75	...	...	...	57°1'75	+57°2'90	1·20	...	...	...	...	...	...	...	...
...	+54°2'96	-16°5'73	0·65	...	...	...	+57°1'78	+34°3'95	-4	...	...	...	...	...	...	...	...
...	54°3'03	-14°5'93	-5	...	...	...	57°2'44	+33°6'91	-5	e	...	...	...	...	...	...	...
...	54°3'50	+11°0'17	-5	e	...	...	57°3'69	+19°7'44	0·65	...	...	...	...	...	...	...	...
...	54°4'90	+36°6'28	-5	e	...	...	57°4'19	+42°4'49	0·95	...	...	...	...	...	...	...	...
†	54°6'21	+34°3'09	-3	...	...	...	57°4'32	-37°1'93	-3	...	...	...	...	...	...	...	...
153I	...	...	...	...	...	158I	...	...	...	...	...	...	...	...	...	...	...
...	+54°8'93	-40°5'84	0·65	...	...	...	+57°4'48	+59°2'33	0·90	...	...	...	...	...	...	...	...
*	54°9'64	+0°3'57	1·15	43·8123	9·5	...	57°5'70	-1°8'49	-5	...	...	...	...	...	...	...	...
...	54°9'66	+0°0'93	0·80	...	...	*	57°6'22	+51°2'93	1·15	43·8126	9·8	...	...	...	...	...	...
...	55°0'78	+41°2'69	-5	e	...	...	57°6'74	-42°0'54	-5	...	...	...	...	...	...	...	...
...	55°1'00	-44°3'43	-4	...	...	...	57°7'09	+4°5'55	-3	...	...	...	...	...	...	...	...
...	+55°1'27	+59°3'60	0·70	e	...	...	+57°7'11	-20°8'00	-5	...	...	...	...	...	...	...	...
...	55°2'27	-10°3'88	0·75	...	...	...	57°7'15	+18°9'86	-5	e	...	...	...	...	...	...	...
...	55°3'72	-20°7'84	-5	...	...	...	57°7'43	-54°5'20	0·65	...	...	...	...	...	...	...	...
...	55°4'42	+43°0'18	-4	e	...	...	57°7'60	-46°7'58	-4	...	...	...	...	...	...	...	...
*	55°4'84	-23°5'57	0·90	44·8579	9·8	...	57°7'89	-49°4'55	-5	...	...	...	...	...	...	...	...
154I	...	...	...	...	...	159I	...	...	...	...	...	...	...	...	...	...	...
...	+55°5'13	+17°0'75	0·75	...	...	*	+57°8'04	+41°2'08	1·15	43·8127	9·8	...	...	...	...	...	...
...	55°5'38	+10°0'73	0·75	...	...	...	57°8'36	-0°3'61	-2	e	...	...	...	...	...	...	...
*	55°5'60	+1°7'18	1·20	43·8124	9·6	...	57°9'67	-30°2'73	-4	...	...	...	...	...	...	...	...
...	55°5'72	-37°2'89	-2	...	...	...	57°9'99	+46°3'51	0·90	...	...	...	...	...	...	...	...
...	55°6'05	-27°2'45	-3	...	...	...	58°0'33	-28°4'01	-5	...	...	...	...	...	...	...	...
...	+55°6'19	+46°3'91	-5	e	...	...	+58°0'51	-58°6'29	-1	...	...	...	...	...	...	...	...
*	55°6'84	+2°8'80	1·15	43·8125	9·6	...	58°1'07	-28°9'71	0·70	...	...	...	...	...	...	...	...
...	55°7'54	-47°2'98	-5	...	...	...	58°3'00	+36°0'02	-4	...	...	...	...	...	...	...	...
...	55°7'71	+27°4'79	0·80	...	...	...	58°3'02	-6°9'07	-5	...	...	...	...	...	...	...	...
...	55°7'92	+7°1'90	-4	...	...	...	58°3'06	+12°8'97	-5	e	...	...	...	...	...	...	...

1506, 1509. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
†	-60°075	-15°049	1.50	44.8565	8.7	61	-55°396	-32°396	-2	...	...	121	-52°426	+1°765	1.15	43.8124	9.6
†	60°052	-22°700	-5	...	...	*	55°392	-15°181	1.40	...	...	...	52°418	-47°591	0.70	...	...
†	60°029	+42°028	-4	...	...	*	55°303	-15°058	1.40	44.8573	8.3	...	52°387	-10°356	0.70	...	...
†	60°025	+49°401	1.20	43.8120	9.8	...	55°239	-54°174	0.85	44.8572	9.8	...	52°359	+7°240	-4	...	...
...	59°951	-35°656	-4	...	...	†	55°125	+31°679	0.65	...	...	*	52°333	+2°933	1.10	43.8125	9.6
...	-59°665	+43°339	-3	...	...	†	-55°124	+43°190	-2	...	...	...	-52°322	+16°397	-5	E	...
...	59°587	+14°104	-1	...	...	...	55°074	-42°864	-5	...	...	...	52°275	+59°308	0.90	...	...
...	59°493	-16°690	-1	...	...	*	55°021	-12°277	0.90	...	...	*	52°122	+42°216	1.00	...	...
...	59°490	-34°701	-4	...	...	...	54°940	+3°432	0.80	...	...	...	52°058	-58°741	-4	...	...
...	59°488	+38°313	-5	...	...	...	54°759	+9°047	-5	E	...	...	51°930	-20°736	-5	...	...
11	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	-59°377	-9°108	-3	...	...	...	-54°662	+29°835	0.75	...	...	*	-51°851	+51°385	1.10	43.8126	9.8
...	59°267	+54°397	-1	...	...	...	54°578	+59°370	0.75	E	...	...	51°851	+17°588	-1	...	...
...	59°075	-7°881	-4	...	...	...	54°568	-3°720	-5	...	...	...	51°840	+11°440	-4	...	...
*	59°055	-15°115	1.70	44.8567	8.9	...	54°542	+36°645	-5	E	...	...	51°807	-40°547	0.70	...	...
...	58°972	-48°979	-2	...	...	*	54°509	-20°361	0.95	44.8575	9.8	*	51°798	+42°545	0.90	...	...
...	-58°921	-37°830	-3	...	...	...	-54°502	+47°480	-5	M	...	...	-51°792	+34°476	-3	...	...
*	58°806	-7°731	1.00	44.8568	9.8	*	54°472	-47°876	1.20	44.8574	9.6	...	51°737	+16°495	0.70	...	...
...	58°787	+15°142	-3	...	...	...	54°325	+34°323	-3	...	...	*	51°727	-23°504	1.00	44.8579	9.8
...	58°768	+33°149	-4	...	...	...	54°279	-19°534	-5	...	...	...	51°703	+33°782	-5	E	...
...	58°747	-32°951	-5	E	...	...	54°249	-32°495	0.75	...	...	...	51°673	-23°017	-5	...	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-58°742	+7°045	-2	...	...	...	-54°102	-53°745	-4	M	...	...	-51°621	-32°763	-5	...	...
*	58°738	-53°919	1.60	44.8566	9.2	...	54°089	+41°290	-5	E	...	...	51°597	-7°843	1.00	44.8580	9.8
...	58°669	+2°571	-3	E	...	...	54°024	+40°450	-5	M	...	...	51°557	+7°498	0.70	...	...
...	58°662	+44°576	-4	...	...	S*	53°942	-18°497	2.00	44.8576	8.5	...	51°492	-27°188	-2	...	...
...	58°640	+19°018	-2	...	...	...	53°907	+11°031	-5	E	...	...	51°470	-44°296	-3	...	...
...	-58°601	-30°481	-4	...	...	...	-53°906	+44°254	-5	M	...	*	-51°365	+41°305	1.00	43.8127	9.8
...	58°507	+1°888	-2	...	...	...	53°822	-43°164	-5	...	...	...	51°331	+46°453	0.90	...	...
...	58°218	-54°377	-1	...	...	...	53°781	+43°049	-5	E	...	...	51°217	-37°223	-2	...	...
...	58°205	+21°217	0.75	...	...	...	53°773	-40°927	-5	...	...	*	51°194	-1°956	1.20	44.8581	9.6
...	58°174	+38°491	-3	...	...	...	53°723	-36°382	-5	E	...	...	51°153	+19°841	-1	...	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-58°150	+19°741	0.80	...	...	...	-53°694	+46°411	-4	E	...	...	-51°066	-18°147	0.80	...	...
...	58°087	-14°548	-2	...	...	†	53°674	-9°954	1.00	44.8578	9.6	...	51°044	-32°914	-2	...	...
*	58°072	+27°467	0.95	...	...	...	53°652	-26°628	-5	...	...	...	50°973	-27°259	0.65	...	...
*	57°682	-58°851	1.00	44.8569	9.8	...	53°580	-45°561	-5	...	...	...	50°969	-31°242	-2	...	...
...	57°664	-20°611	-2	...	...	...	53°537	-7°844	-5	...	...	...	50°852	-53°157	-5	M	...
...	-57°628	-42°073	-4	...	...	n*	-53°407	-45°209	0.90	44.8577	9.8	...	-50°775	+19°097	-5	E	...
...	57°518	+0°092	-5	E	...	...	53°269	-42°234	0.75	...	...	...	50°751	-47°226	-5	...	...
...	57°513	+5°073	-4	...	...	...	53°250	+47°752	-5	M	...	...	50°714	+36°108	-4	...	...
*	57°443	+6°246	0.90	43.8121	9.8	...	53°246	+53°876	-5	...	...	...	50°654	-23°578	0.80	...	...
...	57°162	+30°727	-4	E	...	n*	53°233	-45°254	0.90	44.8577	9.8	...	50°643	-27°688	-2	...	...
41	...	...	...	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-57°103	-50°376	0.75	...	...	...	-53°225	-35°528	-5	M	...	...	-50°641	+56°335	-5	M	...
...	57°029	+34°189	0.75	...	...	...	53°185	-14°581	-5	...	...	...	50°635	+52°913	-5	M	...
...	56°937	-35°633	-4	...	...	...	53°134	-16°544	-1	...	...	...	50°617	-19°681	1.20	44.8582	9.6
*	56°793	-34°233	1.10	44.8570	9.6	...	53°076	+17°802	-5	M	...	...	50°597	+35°349	0.75	...	...
...	56°554	+49°829	-4	...	...	...	53°071	-38°009	-4	...	...	...	50°525	-15°616	1.70	44.8583	9.0
...	-56°431	-48°559	-4	...	...	...	-53°008	+39°484	-5	M	...	...	-50°463	+15°668	-5	M	...
...	56°424	+45°724	-4	...	...	...	52°991	+27°509	0.75	...	...	...	50°420	-28°186	-5	...	...
...	56°374	-31°595	0.85	44.8571	9.8	*	52°973	+0°389	1.10	43.8123	9.5	*	50°399	+47°333	2.00	43.8128	9.2
...	56°330	-40°481	-4	...	...	...	52°959	+0°123	0.70	...	...	...	50°373	-19°264	-3	...	...
...	56°310	-14°193	0.70	...	...	...	52°933	+17°114	0.65	...	...	...	50°366	+4°660	-4	...	...
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
*	-56°129	+5°342	1.20	43.8122	9.3	...	-52°886	-38°008	-5	...	...	...	-50°315	-1°744	-5	...	...
...	56°094	-17°811	-4	...	...	...	52°867	-9°497	-5	...	...	*	50°281	-22°739	0.90	...	...
...	56°022	+43°349	-4	E	...	...	52°703	+44°245	-5	...	...	†	50°194	-34°595	0.65	...	...
...	55°925	-24°706	-2	...	...	...	52°697	+10°112	0.65	...	...	†	50°071	-23°171	-5	...	...
†	55°905	+34°877	-4	...	...	...	52°623	+22°626	-5	E	...	†	50°066	-0°233	-3	E	...
...	-55°853	-23°162	-4	...	...	...	-52°602	+24°585	-5	M	...	†	-50°009	+13°023	-4	E	...
...	55°807	-36°786	-5	...	...	...	52°517	-25°500	-5	...	...	...	50°002	-41°631	-3	...	...
...	55°774	+42°862	-5	E	...	...	52°506	+33°947	-1	...	...	...	49°847	+14°350	-4	E	...
...	55°668	-57°051	0.75	...	...	...	52°491	+57°364	1.05	...	...	...	49°845	-41°315	0.80	...	...
*	55°495	-2°048	0.95	...	...	...	52°431	+17°469	-5	M	...	...	49°593	-20°661	-4	...	...

MC measured from 1, 174, 333, 486, 623, 746, 853, 974, 1087, 1208, 1322, 1434.
 ES " " 67, 253, 404, 548, 672, 788, 911, 1026, 1145, 1251, 1380, 1489.

96, 100 C.P.D. mass

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-49°521	+11°596	-4	E	...	241	-45°841	+4°195	1.30	43.8132	9.4	301	-41°780	-6°863	1.35	44.8594	9.3
...	49°479	+6°106	-5	E	...	...	45°794	-6°787	-2	...	...	...	41°720	+58°567	-3	...	...
...	49°445	+11°269	-2	...	...	...	45°774	+43°787	-4	...	...	...	41°544	+56°730	1.35	43.8138	9.8
...	49°426	+11°690	-3	...	...	...	45°724	+52°781	-4	M	...	...	41°514	+4°575	0.80	...	...
...	49°407	-6°771	-5	...	...	...	45°691	-13°158	-5	...	...	...	41°435	-49°519	0.95	...	...
...	-49°362	-37°072	-4	...	...	...	-45°685	+22°016	-5	M	...	...	-41°391	+41°231	-5	M	...
...	49°235	+13°150	-3	...	...	...	45°493	+53°289	0.90	...	...	...	41°381	+8°947	-5	M	...
...	49°201	+33°608	-2	...	...	...	45°489	-9°049	0.90	44.8589	9.8	...	41°332	+36°824	-3	...	...
...	49°184	+51°697	-5	M	...	...	45°456	-15°768	-4	...	...	...	41°314	+43°732	-4	...	...
...	49°179	+13°436	-4	E	...	...	45°377	+0°101	-4	M	...	...	41°258	-43°216	0.90	...	...
191	...	...	...	...	...	251	...	...	...	...	...	311	...	...	...	...	...
*	-49°154	+37°796	1.00	43.8129	9.8	...	-45°327	+16°706	-3	...	...	...	-41°112	-2°715	-4	...	...
...	49°100	+29°117	-4	M	...	...	45°209	+9°956	0.95	43.8133	9.8	...	41°080	-6°302	-5	...	...
...	49°038	-30°126	-3	...	...	...	44°984	+15°906	-4	...	...	...	41°020	-47°059	-5	...	...
...	49°019	-28°250	-5	...	...	...	44°875	-25°757	2.70	44.8590	8.2	...	41°001	+2°517	-5	M	...
...	48°995	+5°976	0.65	...	...	...	44°872	+27°754	-5	M	...	...	40°990	-35°602	-5	...	...
...	-48°984	-41°922	-5	...	...	...	-44°824	+6°335	-5	M	...	...	-40°970	-18°705	0.90	...	...
...	48°936	-28°821	-2	...	...	...	44°823	-56°447	1.80	44.8588	9.3	...	40°897	+40°014	0.90	...	...
...	48°874	+14°476	-5	M	...	...	44°802	+33°989	0.90	...	...	...	40°839	-9°176	-4	...	...
...	48°854	+50°615	-4	M	...	...	44°673	+34°074	-1	...	...	...	40°773	-9°213	-5	...	...
...	48°838	-10°494	0.70	...	...	...	44°585	-14°249	0.95	44.8591	9.8	...	40°661	-22°844	-4	...	...
201	...	...	...	...	...	261	...	...	...	...	...	321	...	...	...	...	...
...	-48°813	-2°767	-1	...	...	...	-44°570	-27°903	-4	...	...	...	-40°657	-42°890	-4	...	...
...	48°755	-46°622	-4	...	...	...	44°415	-21°443	-4	...	...	...	40°586	+12°893	-5	M	...
...	48°639	-49°308	-4	...	...	...	44°375	+8°020	-5	M	...	...	40°584	-20°406	-5	...	...
...	48°603	-25°042	-4	...	...	...	44°359	+1°720	-4	M	...	...	40°525	+54°072	-5	M	...
...	48°521	-54°377	-2	...	...	...	44°288	+47°150	-3	...	...	...	40°485	-31°206	-3	...	...
...	-48°437	+17°215	-3	...	...	...	-44°287	-14°883	1.30	44.8592	9.3	...	-40°473	-41°469	-4	...	...
...	48°423	-36°557	-4	...	...	...	44°271	+23°858	-3	...	...	...	40°396	+46°511	-5	M	...
...	48°335	-15°847	-4	...	...	...	44°195	+55°317	-3	...	...	...	40°334	+42°361	-3	...	...
...	48°334	+35°115	0.65	...	...	...	44°070	-41°692	-5	...	...	...	40°319	-40°867	-5	M	...
...	48°329	-13°832	-5	...	...	...	44°063	+47°301	-1	...	...	...	40°304	+43°458	-5	M	...
211	...	...	...	...	...	271	...	...	...	...	...	331	...	...	...	...	...
...	-48°311	+18°094	-4	M	...	...	-44°038	-46°681	-4	...	...	...	-40°241	+36°233	-3	...	...
...	48°186	+38°398	-4	M	...	...	44°023	+13°691	1.30	43.8134	9.6	...	40°234	-38°610	-5	...	...
...	48°103	-58°484	-1	...	...	...	43°979	+42°376	-5	M	...	...	39°986	-20°750	-3	...	...
...	47°916	-48°189	0.75	...	...	...	43°977	-4°869	-4	...	...	...	39°965	+53°540	-4	...	...
*	47°800	-43°975	1.00	44.8584	9.8	...	43°943	-58°874	-5	M	...	...	39°878	-41°053	-5	...	...
...	-47°746	-36°789	-5	...	...	...	-43°881	+41°393	-5	M	...	...	-39°834	+52°287	-2	...	...
...	47°643	+31°811	-5	M	...	...	43°862	+6°296	2.00	43.8135	8.9	...	39°820	+36°608	-3	...	...
*	47°394	+44°184	1.20	43.8131	9.3	...	43°835	+11°836	-5	M	...	...	39°783	-46°011	0.85	...	...
*	47°389	-57°440	2.20	44.8585	8.4	...	43°752	+13°371	-5	M	...	...	39°588	+31°453	-5	M	...
...	47°367	+41°670	-5	M	...	...	43°676	-4°162	-5	...	...	...	39°375	+24°819	1.50	43.8139	9.3
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	-47°227	+31°082	-2	...	...	...	-43°541	+44°796	0.65	...	...	...	-39°360	+47°830	-4	M	...
...	47°172	-37°245	-4	...	...	...	43°461	+34°619	-5	M	...	...	39°302	+22°914	0.85	...	...
*	47°092	+21°812	1.60	43.8130	9.3	...	43°416	+49°564	-4	...	...	...	39°174	+33°153	-4	M	...
...	47°060	-40°953	-5	...	...	...	43°185	+50°501	2.20	43.8136	8.6	...	39°154	-59°818	-4	...	...
†	46°879	-54°787	-4	...	...	...	43°158	+42°700	0.80	...	...	...	39°127	+19°665	0.75	...	...
...	-46°771	-7°247	-3	...	...	...	-42°995	-58°912	0.90	44.8593	9.8	...	-39°049	-56°434	-3	...	...
...	46°720	-37°706	0.65	...	...	...	42°884	+11°496	-5	M	...	...	39°002	-28°386	0.90	...	...
...	46°668	-22°500	-3	...	...	...	42°651	+14°108	-4	...	...	...	38°920	-19°881	-4	...	...
...	46°444	-35°375	-4	...	...	...	42°621	+44°228	-5	M	...	...	38°799	-16°271	-3	...	...
...	46°412	+0°388	-4	M	...	...	42°560	-53°911	-5	M	...	...	38°793	+4°839	0.70	...	...
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
*	-46°400	-12°255	0.95	...	...	S*	-42°459	+49°137	1.90	43.8137	8.9	...	-38°714	+39°381	-3	...	...
*	46°382	-4°716	1.30	44.8586	9.4	...	42°449	+20°995	-5	M	...	...	38°568	+21°205	-4	...	...
...	46°340	-29°059	-3	...	...	...	42°357	+18°139	-4	M	...	...	38°547	-47°098	0.90	...	...
...	46°166	+10°429	-3	...	...	...	42°352	+1°792	0.70	...	...	...	38°491	-46°200	-3	...	...
*	46°026	+50°467	0.90	...	...	...	42°351	+8°803	-3	...	...	...	38°465	-14°407	0.90	44.8596	9.8
...	-45°996	-39°687	-5	...	...	...	-42°186	+37°554	-3	...	...	...	-38°293	-22°359	-3	...	...
...	45°951	+41°230	0.85	...	...	...	42°090	-23°377	-3	...	...	...	38°253	-16°142	-5	...	...
*	45°928	-8°811	0.90	44.8587	9.8	...	41°851	+24°500	-5	M	...	...	38°240	+20°190	-4	...	...
...	45°883	+15°597	-4	...	...	...	41°811	+5°971	-5	M	...	...	38°150	-46°462	1.00	44.8595	9.8
...	45°864	-38°278	-3	...	...	...	41°788	+46°173	-4	...	...	...	38°146	+26°108	-5	M	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-420						421-480						481-540					
361	-38°093	-24°390	-4	...	...	421	-34°392	+28°659	-5	M	...	481	-30°370	-3°429	0·75	...	...
...	38°039	-1°386	-3	...	...	...	34°344	+27°763	0·80	...	...	...	30°343	-6°893	-2	...	...
...	37°997	-30°545	-5	...	...	...	34°301	-33°988	-4	...	...	*	30°342	-45°889	1·70	44·8605	9·2
...	37°697	+54°516	0·90	...	...	...	34°223	-39°039	-4	...	...	†	30°216	-12°282	-5	...	...
...	37°592	+10°297	-3	...	...	...	34°022	-5°890	-2	...	...	‡	30°208	+46°234	1·00	43·8144	9·8
...	-37°545	-52°013	-1	...	...	...	-34°007	+32°248	1·30	43·8142	9·6	...	-30°094	-41°351	-1	...	...
...	37°469	+42°909	-1	...	...	...	33°949	-5°746	-4	...	...	...	29°928	+8°417	-1	...	...
...	37°467	-45°206	0·70	...	...	...	33°585	+13°518	-3	...	...	...	29°903	-6°189	-1	...	...
...	37°266	-0°903	-2	...	...	...	33°576	-51°024	-3	...	...	...	29°837	-17°737	-4	...	...
...	37°181	+21°975	-4	M	...	S*	33°497	-56°245	3·20	44·8600	7·6	...	29°803	+40°002	-2	...	...
371	-37°164	+1°054	-3	...	...	431	-33°468	+32°321	0·85	...	...	491	-29°593	+24°324	0·90	43·8145	9·8
...	37°102	-41°236	-4	...	...	...	33°400	+41°611	0·65	...	...	*	29°544	+54°534	2·20	43·8146	8·5
...	37°100	+48°692	0·70	...	...	...	33°359	+46°991	-5	M	...	...	29°489	+20°270	0·75	...	...
...	37°034	+23°347	-5	M	...	...	33°283	+3°504	-5	M	...	...	29°440	-44°315	0·90	...	...
...	36°988	+15°109	0·65	...	...	...	33°278	-11°470	-5	...	...	...	29°375	-48°947	-1	...	...
...	-36°862	-19°093	-2	...	...	...	-33°241	-54°873	-4	M	...	...	-29°287	-27°205	1·40	44·8607	9·3
...	36°779	-57°316	-3	...	...	...	33°135	+41°893	-5	M	...	...	29°159	-51°374	-2	...	...
...	36°653	+30°675	-4	M	...	*	33°083	-31°870	1·15	44·8601	9·6	*	29°052	-11°440	1·40	44·8608	9·3
...	36°592	+39°773	0·90	...	...	...	33°075	-31°278	-4	...	...	...	28°927	+12°329	-4	M	...
...	* 36°534	-0°454	3·00	43·8140	8·2	...	33°054	+47°118	-5	M	...	...	28°884	+59°178	-4	...	...
381	-36°483	-25°571	-5	...	...	441	-33°042	+59°386	1·15	42·7826	9·7	501	-28°867	+29°700	-4	...	...
*	36°466	-24°239	0·90	44·8597	9·8	...	33°012	-19°597	-5	...	...	...	28°824	-13°068	-5	...	...
...	36°357	-30°189	-4	...	...	...	32°893	-10°739	-5	...	...	...	28°814	+43°229	-2	...	...
...	36°357	-57°960	-5	...	...	...	32°865	+30°160	-5	M	...	...	28°808	+15°688	-2	...	...
...	36°181	+11°686	0·75	...	...	...	32°865	-3°286	-5	...	...	...	28°746	+41°717	-3	...	...
...	-36°142	+26°828	0·80	...	...	...	-32°862	+55°245	-4	...	...	...	-28°213	+40°061	-3	...	...
...	36°102	+28°008	-4	M	...	...	32°861	-45°851	-4	...	...	*	28°149	+55°331	1·80	43·8147	9·0
...	36°064	+21°490	-5	M	...	...	32°664	+17°884	-5	M	...	...	28°078	+49°962	-4	...	...
...	36°055	+20°690	-5	M	...	*	32°654	-47°984	1·00	44·8602	9·8	...	27°946	-2°331	-4	...	...
...	35°812	-39°800	-4	...	...	...	32°615	+45°809	-5	M	...	...	27°928	+50°020	-4	...	...
391	-35°780	-55°082	0·90	...	...	451	-32°489	-12°490	-5	...	...	511	-27°773	+48°189	-4	...	...
...	35°671	-26°541	-5	...	...	...	32°465	+50°795	0·90	...	...	...	27°753	-21°952	-4	...	...
...	35°666	-11°786	0·80	...	...	...	32°399	+15°984	-5	M	...	...	27°743	+40°956	-4	...	...
...	35°550	+46°948	-4	...	...	*	32°330	+39°374	0·85	...	...	...	27°742	+36°882	-2	...	...
...	35°509	-40°061	-5	...	...	...	32°160	+14°399	0·75	...	...	...	27°613	+37°039	-5	M	...
*	-35°499	-16°999	1·90	44·8598	8·8	...	-31°959	+14°705	-4	...	...	...	-27°582	-32°480	-5	...	...
...	35°474	-44°618	-4	...	...	...	31°925	-14°191	-2	...	...	...	27°579	-28°733	-4	...	...
...	35°447	+4°607	-4	...	...	...	31°834	+20°074	-5	M	...	...	27°340	+42°198	0·75	...	...
...	35°437	+39°498	-3	...	...	...	31°620	-11°224	-3	...	...	...	27°266	-55°690	-4	...	...
...	35°328	-50°437	-2	...	...	...	31°612	-37°756	0·80	44·8603	9·8	...	27°252	+26°213	-5	M	...
401	-35°263	+35°441	0·65	...	...	461	-31°565	-39°811	-2	...	...	521	-27°128	+13°147	-4	M	...
...	35°206	+23°187	-2	...	...	...	31°543	+48°856	-3	...	...	...	27°029	+20°757	-4	...	...
...	35°204	+22°865	-4	...	...	...	31°488	+57°351	-5	M	...	...	26°997	+48°862	-4	...	...
†	35°109	+31°646	0·65	...	...	...	31°487	-20°559	0·65	...	...	*	26°953	+39°303	1·10	43·8148	9·5
...	35°066	+47°736	-5	...	...	...	31°468	+20°403	-5	M	...	...	26°942	-0°451	-4	...	...
...	-35°046	-23°878	0·80	...	...	*	-31°466	+48°257	1·25	43·8143	9·6	...	-26°902	+51°445	-4	M	...
...	34°927	-18°074	0·80	...	...	...	31°415	+48°950	-4	...	...	...	26°872	+17°944	-4	...	...
...	34°830	+8°898	-5	M	...	...	31°285	+41°157	-4	M	...	...	26°786	+20°082	0·70	...	...
...	34°829	-55°220	-4	...	...	...	31°214	-36°083	-4	...	...	...	26°751	+59°321	-4	...	...
...	34°790	+34°007	-3	...	...	...	31°149	-31°355	-2	...	...	*	26°747	+56°342	1·20	43·8150	9·4
411	-34°697	-50°901	-5	M	...	471	-31°034	-18°012	1·90	44·8604	9·0	531	-26°726	+52°717	1·30	43·8149	9·4
...	34°678	-3°944	-2	...	...	...	30°867	-34°712	-4	...	...	...	26°629	+40°487	-1	...	...
*	34°653	-42°993	1·00	44·8599	9·8	...	30°828	+59°807	1·25	42·7827	9·6	...	26°549	+46°785	-4	M	...
*	34°646	+52°527	1·10	43·8141	9·8	...	30°825	+32°206	-5	M	...	...	26°512	+59°793	0·95	42·7830	9·7
...	34°611	+55°687	0·80	...	...	...	30°772	-26°614	0·65	...	...	...	26°303	-48°694	-4	...	...
...	-34°602	+46°915	-4	...	...	...	-30°564	+35°005	-5	M	...	...	-26°270	-37°809	-4	...	...
...	34°563	+45°473	-5	M	...	...	30°487	-32°497	-4	...	...	...	26°207	-28°075	0·65	...	...
...	34°558	+11°650	0·75	...	...	*	30°484	-24°187	1·40	44·8606	9·4	...	26°094	-3°361	-2	...	...
...	34°551	-2°234	-4	...	...	...	30°386	-21°793	-5	...	...	...	25°995	-48°551	-4	...	...
...	34°422	-40°451	-2	...	...	...	30°370	-49°239	-4	...	...	...	25°908	+36°463	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-600						601-660						661-720					
54I	-25.712	+38.051	-4	...	...	60I	-21.695	-42.238	-2	...	...	66I	-16.987	-40.212	1.50	44.8621	9.2
...	25.682	+1.203	-2	...	...	*	21.679	-21.372	0.90	44.8614	9.8	...	16.975	-48.988	-4	...	...
*	25.676	-27.421	0.90	...	...	*	21.638	+36.609	0.90	...	...	...	16.847	+31.159	-1	...	...
*	25.611	-52.577	1.70	44.8609	9.0	*	21.638	+21.638	1.40	43.8154	9.3	...	16.284	-43.708	-4	...	...
*	25.467	-3.144	1.20	44.8610	9.6	...	21.494	+21.012	-3	...	...	...	16.264	+24.143	-4	...	...
...	-25.461	+54.207	-4	...	...	...	-21.406	-44.502	0.75	...	...	...	-16.168	-24.978	1.00	44.8622	9.8
*	25.271	+41.670	0.85	...	...	...	21.354	-1.771	-3	...	...	...	15.944	-43.151	-2	...	...
†	25.124	+30.920	-4	...	...	*	21.308	-23.356	1.00	44.8617	9.8	...	15.483	-7.567	0.90	44.8623	9.8
...	24.966	+4.423	-3	...	...	...	21.272	+52.036	-4	...	...	*	15.477	+54.937	1.50	43.8158	9.2
...	24.946	+53.725	-4	...	...	...	21.265	+49.943	0.70	...	...	...	15.473	-54.567	-5	...	...
55I	-24.908	-51.628	0.80	...	...	61I	-21.017	-38.484	-5	...	...	67I	-15.197	+50.257	-1	...	...
...	24.907	+40.504	-4	...	...	...	20.989	+51.663	-5	...	...	...	15.103	-58.211	-5	...	...
*	24.883	-10.095	2.60	44.8611	8.3	...	20.832	-45.423	-5	...	...	...	15.087	+22.755	-5	M	...
...	24.842	+56.820	-5	M	...	†	20.778	+34.922	0.75	...	...	...	15.005	+53.197	0.85	...	...
...	24.663	+20.985	-3	...	...	*	20.764	+44.448	1.20	43.8155	9.6	...	14.998	-30.327	-4	...	...
*	-24.652	+52.147	0.90	...	...	...	-20.756	+28.368	-2	...	...	...	-14.857	-16.246	1.40	44.8625	9.5
†	24.629	+54.875	-3	...	...	...	20.662	+16.805	0.75	...	...	*	14.837	-57.279	1.80	44.8624	9.3
...	24.425	+59.519	-5	M	...	...	20.659	-46.092	-5	...	...	...	14.813	-3.721	-4	...	...
...	24.402	-41.091	0.65	...	...	...	20.619	+33.972	-1	...	...	...	14.802	+51.782	-5	M	...
N	24.351	+43.492	-1	A	...	...	20.506	-54.950	-5	...	...	...	14.726	+46.980	0.85	...	...
56I	-24.327	+31.804	0.75	...	...	62I	-20.421	+56.316	1.00	...	...	68I	-14.712	-2.448	-5	...	...
...	24.315	-29.156	0.65	...	...	...	20.378	+51.632	-2	...	...	...	14.704	-58.357	-5	M	...
...	24.226	+54.461	-4	...	...	...	20.041	-31.550	0.65	...	...	...	14.683	+52.574	-5	M	...
...	24.164	-39.012	-5	...	...	...	20.033	-28.117	0.75	...	...	...	14.515	+8.484	-1	...	...
...	24.141	+36.099	-5	M	...	...	19.988	-18.023	-4	...	...	...	14.495	+20.281	-5	M	...
...	-23.999	-38.867	-5	...	...	...	-19.987	+59.053	-5	M	...	...	-14.376	+53.904	-5	...	...
...	23.997	-37.460	-2	...	...	...	19.971	-37.721	-4	...	...	...	14.338	+46.905	-1	...	...
...	23.979	-8.895	-5	...	...	*	19.945	+54.531	1.10	43.8156	9.6	...	14.322	-51.030	-5	...	...
...	23.966	-58.994	-5	...	...	*	19.894	-27.713	1.00	44.8618	9.6	...	14.310	-12.196	0.70	...	...
*	23.903	+24.277	1.20	43.8151	9.6	...	19.821	-33.198	-5	...	...	...	14.286	-9.602	-5	...	...
57I	-23.821	+38.729	-5	M	...	63I	-19.702	+13.142	-5	M	...	69I	-14.277	+38.067	-5	M	...
...	23.815	-45.502	-4	...	...	...	19.662	+9.059	-5	...	...	...	14.269	-11.091	-2	...	...
...	23.808	+8.015	0.85	...	...	...	19.572	-40.574	-4	...	...	...	14.246	-17.634	-1	...	...
*	23.707	-55.362	1.10	44.8612	9.6	...	19.337	+17.483	-3	...	...	*	14.224	+46.634	1.25	43.8159	9.4
...	23.510	-3.971	-5	...	...	...	19.299	-25.241	-2	...	...	...	14.195	+16.007	-5	M	...
...	-23.504	-3.836	-5	...	...	...	-19.276	-7.825	-5	...	...	...	-14.089	+47.879	-4	M	...
...	23.463	+57.383	-3	...	...	...	19.192	-37.114	-3	...	...	...	14.052	-48.014	-4	...	...
...	23.356	-49.437	-5	M	...	...	19.191	+20.827	-5	M	...	...	14.039	-54.235	-3	...	...
*	23.271	+21.809	1.25	43.8152	9.5	...	19.174	-0.801	-5	M	...	*	14.005	-52.153	1.00	44.8626	9.8
...	23.160	-59.412	0.70	...	...	...	19.130	+18.220	-3	...	...	...	13.986	-34.040	-4	...	...
58I	-23.025	+40.494	-3	...	...	64I	-18.991	+28.372	-3	...	...	70I	-13.980	-43.349	1.50	44.8627	9.3
*	22.972	-52.703	1.35	44.8613	9.3	...	18.646	-11.554	0.65	...	...	...	13.944	-28.478	-5	...	...
...	22.934	-48.601	-5	...	...	...	18.590	+58.575	-4	...	...	...	13.935	+45.968	0.75	...	...
...	22.786	+3.982	-3	...	...	...	18.519	+15.882	-2	...	...	...	13.933	-24.395	-5	...	...
...	22.776	-39.622	-4	...	...	*	18.487	-52.329	1.00	44.8619	9.6	*	13.729	-46.177	0.90	...	...
...	-22.727	+12.805	-5	M	...	...	-18.302	+43.570	-4	M	...	n*	-13.549	+39.333	2.00	43.8160	8.9
...	22.605	+49.796	0.65	...	...	...	18.281	-32.320	-3	...	...	...	13.521	-50.121	-5	M	...
...	22.593	+57.469	-2	...	...	...	18.170	+23.121	-2	...	...	n	13.488	+39.490	0.70	43.8160	8.9
...	22.507	+12.128	-1	...	...	...	17.857	+19.758	-4	...	...	...	13.458	-33.646	0.70	...	...
...	22.397	+55.383	0.65	...	...	...	17.845	+49.935	-5	M	...	...	13.256	+54.500	-5	M	...
59I	-22.235	-46.292	-4	...	...	65I	-17.789	-46.186	1.00	44.8620	9.6	71I	-13.255	+59.240	-1	...	...
...	22.203	-20.900	-4	...	...	*	17.731	-37.208	0.90	...	...	...	13.176	-45.065	-5	...	...
...	22.122	+45.065	-5	M	...	...	17.625	-42.728	-1	...	...	†	13.068	-14.897	1.25	44.8628	9.6
...	21.954	+58.866	0.80	...	...	...	17.492	+52.284	-4	...	...	...	13.003	+28.043	-5	M	...
...	21.933	+46.511	0.70	...	...	*	17.378	+8.119	1.00	43.8157	9.6	...	12.968	+50.986	-5	M	...
S*	-21.781	+0.846	2.50	43.8153	8.6	...	-17.341	+45.776	0.75	...	...	...	-12.816	-30.221	-5	...	...
...	21.737	-45.376	-4	...	...	...	17.315	-44.826	-3	...	...	...	12.637	-24.732	-3	...	...
*	21.724	-8.152	1.00	44.8616	9.6	...	17.290	+22.580	-4	...	...	...	12.612	-40.945	-4	...	...
...	21.720	+41.675	-1	...	...	...	17.200	+48.966	-3	...	...	*	12.540	-7.948	2.30	44.8630	8.7
...	21.713	+4.309	-5	M	...	...	17.126	-20.265	-3	...	...	...	12.487	+41.619	-3	...	...

560, 43°105, obscured by réseau.

706, 708, C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
721-780						781-840						841-900					
721	-12.391	+34.547	1.00	43.8161	9.8	781	-6.098	-3.668	4	c	...	841	-1.617	+46.706	3	c	...
...	12.353	+49.025	2	...	...	...	6.056	+29.348	4	...	...	...	1.349	+47.581	0.80	...	...
...	12.303	-37.228	0.70	...	...	*	5.990	+58.961	1.10	43.8168	9.6	...	1.290	+45.919	1	...	...
...	12.286	+7.348	1	...	...	†	5.750	-19.960	3	...	...	...	1.235	-13.825	4	...	...
...	12.264	-13.426	5	...	...	...	5.694	+18.573	4	...	...	...	1.140	-4.824	0.75	...	...
...	-12.257	-38.820	5	...	...	...	-5.660	+8.998	4	...	...	...	-1.123	+4.283	0.65	...	...
...	12.251	-45.210	3	...	...	...	5.292	+31.956	1	...	...	...	1.058	-43.368	3	...	...
*	12.166	-57.312	0.90	44.8629	9.8	†	5.213	-6.317	0.80	...	...	...	0.864	-8.028	1.00	44.8640	9.8
...	11.624	+2.635	0.70	...	...	...	5.074	+40.141	5	...	...	...	0.684	-33.162	5	M	...
*	11.618	+17.836	1.15	43.8162	9.8	...	4.921	-55.022	5	...	...	*	0.546	-21.676	1.30	44.8641	9.6
731	-11.522	+50.875	3	...	...	791	-4.907	-45.746	5	...	...	851	-0.452	+19.505	4	...	...
...	11.427	-5.738	5	...	...	...	4.708	-48.021	5	...	...	...	0.286	+50.707	0.90	...	...
...	11.398	+55.782	0.80	...	...	...	4.614	-37.856	0.70	...	...	...	0.117	-8.159	5	...	...
...	11.386	+28.297	5	...	...	...	4.598	+45.235	0.90	...	...	...	0.087	+33.936	5	M m	...
...	11.290	-41.009	5	...	...	*	4.526	-16.221	1.25	44.8635	9.6	...	-0.036	-35.385	2	...	...
...	-11.098	+58.394	5	M	...	*	-4.486	+22.431	1.80	43.8169	9.3	*	+0.120	+51.792	1.00	43.8172	9.6
...	11.041	-44.284	4	...	...	...	4.453	+41.195	5	M m	...	...	0.230	+58.480	4	...	...
...	10.903	-40.165	Neb.	44.8631	Neb.	...	4.396	+52.443	1	...	...	...	0.255	-32.827	1	...	...
...	10.791	-45.197	0.65	...	...	...	4.119	+52.693	0.65	...	...	...	0.405	+31.306	3	...	...
...	10.748	+39.473	1	...	...	*	4.084	-46.069	1.20	44.8636	9.6	...	0.459	+15.095	0.85	43.8171	9.8
741	-10.735	-38.812	1.40	44.8632	9.2	801	-4.029	+57.182	5	M m	...	861	+0.510	+37.146	1.20	43.8173	9.8
†	10.726	-49.910	4	...	...	...	3.901	+52.634	4	M	...	...	0.542	-4.160	4	...	...
...	10.488	-36.121	4	...	...	...	3.900	+21.938	4	...	...	*	0.673	+43.997	1.20	43.8174	9.6
N	10.457	+6.741	1	...	...	...	3.894	-29.300	5	...	...	...	0.689	+20.126	4	...	...
...	10.422	+28.766	3	...	...	...	3.850	-13.231	4	...	...	...	0.756	+10.208	4	M	...
...	-10.075	-3.937	5	...	...	...	-3.809	-38.296	5	...	...	...	+1.019	+58.415	0.80	...	...
...	10.030	+41.700	5	M	...	...	3.790	+56.990	4	M	...	...	1.059	-57.062	5	...	...
...	9.957	+0.420	5	M	...	...	3.641	-25.155	5	...	...	...	1.083	+58.541	4	...	...
...	9.930	+39.806	5	M	...	...	3.528	-16.090	4	...	...	...	1.086	+43.770	0.70	...	...
...	9.802	+46.354	1	...	...	...	3.515	+10.102	5	...	...	...	1.180	+24.978	3	...	...
751	-9.773	+19.871	1.40	43.8163	9.3	811	-3.303	+35.035	5	M m	...	871	+1.236	-50.334	5	...	...
†	9.758	-7.010	4	...	...	...	3.290	-33.609	5	...	...	*	1.277	+38.399	0.85	...	...
...	9.704	-40.061	5	...	...	...	3.279	-38.711	0.85	44.8639	9.8	...	1.277	+31.736	4	...	...
...	9.580	+46.516	4	M	...	*	3.268	-35.616	1.60	44.8638	9.3	...	1.353	+42.233	5	M	...
...	9.544	+50.808	4	M	...	...	3.237	-17.478	4	...	...	*	1.478	-33.064	1.00	44.8642	9.5
...	-9.493	+55.729	4	M	...	...	-3.206	-9.483	3	...	...	...	+1.484	+51.149	0.75	...	...
*	9.245	+27.030	1.20	43.8164	9.5	†	3.195	-59.786	1.50	44.8637	9.1	...	1.497	-48.954	2	...	...
...	8.956	-13.114	2	...	...	...	3.156	+47.451	0.80	...	...	...	1.531	-30.173	4	...	...
...	8.892	+44.269	0.75	...	...	*	3.120	-48.986	0.95	...	...	...	1.558	-10.277	2	...	...
*	8.693	+46.800	1.20	43.8166	9.5	...	2.927	+22.971	0.70	...	...	...	1.786	+6.941	0.95	43.8175	9.8
761	-8.687	+0.605	1.30	43.8165	9.6	821	-2.873	+55.147	3	...	...	881	+1.823	+52.913	5	M	...
α*	7.998	+53.358	4	...	...	*	2.806	+13.059	1.35	43.8170	9.4	...	1.837	+34.348	4	M	...
...	7.993	-42.703	4	...	...	...	2.716	+29.081	5	M m	...	...	1.855	-41.192	0.85	...	...
...	7.831	+23.904	3	...	...	...	2.706	+9.812	3	...	...	...	1.904	+3.639	4	M	...
...	7.742	-46.693	5	...	...	...	2.577	-35.985	5	...	...	...	2.031	+46.940	0.65	...	...
...	-7.718	+33.235	2	...	...	†	-2.537	+39.845	5	M	...	*	+2.144	-5.550	2.20	44.8643	8.7
...	7.697	+25.933	3	...	...	...	2.421	+50.403	1	...	...	...	2.374	+48.220	1	...	...
...	7.636	+51.764	5	M	...	...	2.332	-15.734	0.70	...	...	...	2.567	-45.028	2	...	...
...	7.585	+55.642	3	...	...	...	2.225	+43.357	5	...	...	...	2.639	-26.811	0.90	44.8644	9.8
...	7.525	-39.246	4	...	...	...	2.183	+35.198	4	M	...	*	2.782	-38.318	1.10	44.8645	9.5
771	-7.511	-48.304	5	...	...	831	-2.183	+8.867	3	...	...	891	+2.912	-37.166	4	...	...
...	7.307	-46.661	4	...	...	...	2.107	+33.941	5	M	...	...	3.160	-44.382	4	...	...
...	7.070	+54.744	0.70	...	...	...	2.092	+23.239	5	M m	...	...	3.198	-37.126	5	...	...
S*	6.993	+25.528	1.80	43.8167	9.1	...	2.054	+22.965	4	M	...	...	3.284	-25.764	1	...	...
...	6.935	+30.228	5	M	...	...	1.971	-48.143	5	...	...	...	3.414	+11.832	4	M m	...
...	-6.840	+48.289	4	...	...	...	-1.966	+19.573	0.70	...	...	*	+3.495	+17.392	1.80	43.8176	9.3
S†	6.758	-29.951	3.20	44.8634	8.2	*	1.954	+37.460	1.00	...	...	...	3.507	-25.022	0.65	...	...
*	6.702	-48.815	3.00	44.8633	8.3	...	1.877	+43.013	4	...	...	...	3.519	-41.486	1	...	...
...	6.679	+42.598	4	M	...	...	1.796	-56.056	5	...	...	...	3.600	+10.473	2	...	...
...	6.637	+53.934	5	...	...	...	1.754	+52.501	0.75	...	...	...	3.729	-46.556	3	...	...

744. No sign of duplicity. 43° 105, two stars.

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.							
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.						
901-960						961-1020						1021-1080											
901	+	3 ^h 759	-48 ^m 557	-3	...	...	+	8 ^h 706	-32 ^m 254	-3	...	...	1021	+	14 ^h 339	+13 ^m 636	-4	...	...		
...	...	3 ^h 811	-55 ^m 710	-4	...	...	...	8 ^h 783	-36 ^m 244	-5	...	...	...	*	14 ^h 348	-19 ^m 915	2 ^m 60	44.8659	8.8	
*	...	3 ^h 902	-41 ^m 697	0.95	44.8646	9.8	...	8 ^h 798	+10 ^m 068	-4	...	...	...	...	14 ^h 366	+44 ^m 254	-4	...	...		
†	...	3 ^h 976	-0 ^m 013	-3	...	...	*	8 ^h 897	+56 ^m 966	1.25	43.8179	9.8	...	...	14 ^h 525	+27 ^m 260	-4	...	...		
...	...	4 ^h 109	+51 ^m 495	-5	M	...	*	8 ^h 910	+54 ^m 463	0.90	...	...	†	14 ^h 634	+29 ^m 915	-5	...	...			
...	+	4 ^h 275	+1 ^m 274	-3	...	...	...	8 ^h 915	+18 ^m 242	-4	...	...	...	+	14 ^h 815	-51 ^m 689	-4	...	...		
...	...	4 ^h 489	+41 ^m 433	-5	M m	...	...	8 ^h 916	-52 ^m 781	-5	...	...	*	14 ^h 971	-14 ^m 066	1 ^m 05	44.8660	9.6		
...	...	4 ^h 491	+58 ^m 538	0.90	...	...	α*	9 ^h 060	+0 ^m 229	1.00	43.8180	9.8	...	...	14 ^h 972	-27 ^m 059	-4	...	...		
...	...	4 ^h 654	+21 ^m 080	-5	M m	...	*	9 ^h 192	-52 ^m 975	1.20	44.8651	9.4	...	...	15 ^h 118	-9 ^m 315	-5	...	...		
...	...	4 ^h 657	-33 ^m 082	-5	...	...	...	9 ^h 222	+56 ^m 783	-4	...	...	*	15 ^h 162	+51 ^m 591	1.20	43.8185	9.8		
911	*	+	4 ^h 848	-57 ^m 587	1.15	44.8647	9.6	971	+	9 ^h 367	+48 ^m 251	-4	1031	+	15 ^h 255	-33 ^m 132	-5		
...	5 ^h 079	+34 ^m 815	-3	...	...	...	9 ^h 484	+59 ^m 183	-4	...	...	...	...	15 ^h 425	+50 ^m 402	-2	...	...	
...	5 ^h 106	+17 ^m 638	-4	...	...	...	9 ^h 596	-0 ^m 351	-1	...	...	...	...	15 ^h 653	-57 ^m 706	0.80	...	...	
...	5 ^h 137	+38 ^m 156	-5	M m	...	...	9 ^h 846	+31 ^m 086	0.70	...	...	...	...	15 ^h 751	-19 ^m 375	-5	...	...	
...	5 ^h 197	+58 ^m 981	-5	M m	...	...	9 ^h 868	+36 ^m 288	-4	...	...	*	15 ^h 790	+43 ^m 487	0.85	...	...		
...	+	5 ^h 198	+5 ^m 509	-5	M m	...	*	+	9 ^h 880	+17 ^m 616	1.70	43.8181	9.3	...	+	15 ^h 904	-19 ^m 654	-5	...	...	
...	5 ^h 263	+15 ^m 926	0.65	...	...	...	9 ^h 912	+58 ^m 996	0.90	...	...	...	...	16 ^h 075	-42 ^m 625	-4	...	...	
...	5 ^h 436	-10 ^m 225	-5	...	...	...	9 ^h 991	+40 ^m 001	-4	...	...	...	...	16 ^h 080	+5 ^m 338	-5	...	...	
...	5 ^h 694	-3 ^m 034	0.85	44.8648	9.8	...	10 ^h 058	-38 ^m 881	0.90	44.8653	9.8	...	...	16 ^h 108	+47 ^m 141	0.90	...	...	
...	5 ^h 801	-29 ^m 232	-5	...	...	...	10 ^h 067	+1 ^m 329	-4	...	...	...	...	16 ^h 141	+18 ^m 396	-5	...	...	
921	981	+	10 ^h 160	+52 ^m 800	-2	...	...	1041	+	16 ^h 174	-56 ^m 709	-5	...	...	
...	+	5 ^h 894	-46 ^m 112	0.65	...	...	...	...	10 ^h 163	-50 ^m 502	1.10	44.8652	9.5	*	16 ^h 252	-2 ^m 383	3 ^m 10	44.8661	8.1	
...	5 ^h 941	-43 ^m 312	0.70	...	...	...	10 ^h 280	+51 ^m 497	-5	...	...	...	...	16 ^h 314	+45 ^m 835	-5	m	...		
...	5 ^h 941	-48 ^m 260	-4	...	...	...	10 ^h 349	+29 ^m 305	-4	...	...	...	...	16 ^h 376	+51 ^m 977	-5	...	...	
...	5 ^h 994	+29 ^m 279	-4	...	...	...	10 ^h 386	-51 ^m 777	-4	...	...	...	...	16 ^h 493	+42 ^m 304	-4	...	...	
...	+	6 ^h 014	-46 ^m 329	-5	...	...	...	+	10 ^h 437	-41 ^m 739	-2	...	...	...	+	16 ^h 520	-37 ^m 550	-2	...	...	
...	6 ^h 102	-43 ^m 542	-2	...	...	...	10 ^h 528	-14 ^m 882	-2	...	...	...	...	16 ^h 524	-45 ^m 614	-5	...	...	
...	6 ^h 116	-41 ^m 615	0.80	...	...	...	10 ^h 555	+19 ^m 028	-4	...	...	...	...	16 ^h 555	+41 ^m 746	-4	...	...	
...	*	...	6 ^h 119	+17 ^m 178	1.80	43.8177	9.2	...	10 ^h 581	+32 ^m 176	-5	...	...	...	...	16 ^h 682	+15 ^m 130	-5	...	...	
...	6 ^h 234	-41 ^m 658	-5	M	...	...	10 ^h 583	+59 ^m 083	-5	...	...	...	...	16 ^h 745	+54 ^m 704	-3	...	...	
...	6 ^h 340	+30 ^m 531	-2	991	+	11 ^h 169	+35 ^m 337	-4	1051	+	16 ^h 749	-59 ^m 095	-5		
931	11 ^h 261	-53 ^m 984	-4	...	...	...	...	16 ^h 817	-34 ^m 248	-4	...	...	
...	+	6 ^h 546	+46 ^m 070	0.80	...	...	...	...	11 ^h 263	+29 ^m 889	-4	...	...	...	...	16 ^h 821	+55 ^m 587	-5	...	...	
...	*	...	6 ^h 581	+43 ^m 206	0.95	43.8178	9.8	...	†	11 ^h 314	-32 ^m 141	-5	17 ^h 046	+16 ^m 484	0.70		
...	6 ^h 635	-18 ^m 784	-1	11 ^h 437	-21 ^m 314	-2	17 ^h 171	-36 ^m 920	-5		
...	+	6 ^h 769	-10 ^m 040	1.80	44.8649	8.9	*	†	11 ^h 781	+34 ^m 075	1.20	43.8182	9.4	...	+	17 ^h 337	-37 ^m 463	-5	
...	6 ^h 787	-22 ^m 108	-5	11 ^h 926	+26 ^m 621	0.70	17 ^h 354	-53 ^m 471	-3	
...	+	6 ^h 863	-13 ^m 407	-4	11 ^h 940	+9 ^m 342	0.90	17 ^h 369	-33 ^m 406	-3	
...	6 ^h 948	+17 ^m 084	0.70	12 ^h 040	-43 ^m 200	-5	17 ^h 527	+42 ^m 169	-5	
...	†	...	6 ^h 975	+44 ^m 906	-4	12 ^h 050	+39 ^m 960	-4	17 ^h 561	+45 ^m 249	-5	m	...	
...	7 ^h 000	+43 ^m 687	-5	m	...	1001	+	12 ^h 063	-27 ^m 515	0.90	44.8655	9.8	...	+	17 ^h 624	+46 ^m 068	0.90		
...	*	...	7 ^h 411	-48 ^m 116	0.90	44.8650	9.8	12 ^h 116	-38 ^m 497	-3	17 ^h 742	+59 ^m 629	-5		
941	12 ^h 170	+20 ^m 669	0.95	43.8183	9.8	17 ^h 767	+40 ^m 627	-4	
...	+	7 ^h 456	-52 ^m 581	-4	12 ^h 332	+47 ^m 590	-4	17 ^h 890	+41 ^m 472	0.80	
...	7 ^h 566	+16 ^m 170	-1	12 ^h 580	-48 ^m 886	2.10	44.8656	8.8	17 ^h 932	-35 ^m 371	-5	
...	7 ^h 600	+7 ^m 934	-5	+	12 ^h 712	+13 ^m 916	-5	+	17 ^h 934	+36 ^m 104	-4	m	...
...	7 ^h 626	-36 ^m 766	-3	12 ^h 830	-43 ^m 009	-3	17 ^h 961	-11 ^m 295	-5
...	+	7 ^h 628	+52 ^m 031	0.75	13 ^h 217	-7 ^m 783	0.65	18 ^h 058	-57 ^m 112	-3
...	7 ^h 733	+40 ^m 494	-5	m	13 ^h 479	+40 ^m 827	-3	18 ^h 092	-33 ^m 071	-2
...	7 ^h 880	-16 ^m 441	-3	13 ^h 506	-30 ^m 548	-2	18 ^h 165	+55 ^m 246	-3
...	†	...	8 ^h 045	+14 ^m 908	0.85	
...	8 ^h 047	-3 ^m 692	-5	
...	8 ^h 099	+53 ^m 009	0.65	
951	
...	+	8 ^h 211	+22 ^m 718	-5	
...	8 ^h 252	-45 ^m 570	-3	
...	8 ^h 394	+14 ^m 881	0.70	
...	8 ^h 403																				

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1081-1140						1141-1200						1201-1260						
1081	...	...	...	...	...	1141	...	...	...	...	...	1201	...	...	...	...	...
...	+19.347	+49.099	-5	...	...	*	+24.164	-43.516	1.20	44.8668	9.3	†	+29.191	-14.931	-3	...	...
...	19.370	+30.531	-5	...	...	...	24.269	-19.058	-1	...	...	...	29.254	+16.952	-5	...	...
...	19.541	+52.778	-5	...	...	†	24.396	+29.892	-2	...	...	...	29.342	-7.927	-5	...	...
...	19.541	-31.024	-3	...	...	...	24.466	+47.712	-3	...	...	...	29.360	-46.280	-5	...	...
...	19.587	-10.431	-5	...	...	...	24.855	-32.997	-5	...	...	...	29.409	-8.116	-3	...	...
...	+19.612	-28.702	0.70	...	...	S*	+24.984	+11.882	3.15	43.8191	8.1	...	+29.431	+23.865	-4	...	...
†	19.733	+31.548	-5	m	...	...	25.045	-20.283	-4	...	...	...	29.490	+9.603	0.90	...	...
...	20.012	+44.136	-1	...	...	...	25.085	+30.450	-2	...	...	...	29.757	-46.825	-2	...	...
S*	20.045	+55.060	3.00	43.8186	8.1	...	25.268	+51.304	-3	...	...	...	* 29.810	-1.710	1.20	44.8672	9.5	
...	20.102	-25.738	-1	...	...	...	25.431	-4.604	-2	...	...	...	30.015	+31.241	-3	...	...
1091	...	...	...	...	...	1151	...	...	...	...	...	1211	...	...	...	...	...
...	+20.115	+41.802	-5	...	...	...	+25.583	+27.719	-5	...	...	...	+30.103	+51.991	-5	...	...
...	20.244	+10.309	-3	...	...	...	25.655	+22.689	-5	...	...	...	30.157	+59.059	-2	...	...
...	20.273	+54.557	-5	...	...	...	25.780	-15.243	-5	...	...	...	30.291	-23.154	0.80	...	...
*	20.447	+42.145	0.90	43.8187	9.8	...	25.942	-50.659	-5	...	...	...	* 30.408	-36.458	1.10	44.8673	9.6	
...	20.657	-55.470	-4	...	...	...	26.030	+12.277	1.20	43.8192	9.5	...	* 30.594	+35.200	1.40	43.8196	9.3	
...	+20.671	-34.719	-5	...	...	...	+26.105	-11.231	0.80	...	...	...	† 30.736	+54.846	-4	...	...
...	20.678	-18.909	-5	...	...	...	26.149	+25.025	-5	...	...	...	* 30.811	-26.250	1.05	44.8674	9.6	
...	20.800	-7.365	-1	...	...	...	26.176	+44.226	0.90	...	...	...	* 31.057	+50.304	1.20	43.8197	9.5	
...	20.859	-18.643	-2	...	...	...	26.204	-2.731	0.70	...	...	...	31.180	-56.123	-4	...	...
...	20.868	-29.302	-4	...	...	...	26.390	-51.123	0.70	...	...	...	* 31.203	-26.190	1.20	44.8675	9.6	
1101	...	...	...	...	...	1161	...	...	...	...	...	1221	...	...	...	...	...
...	+20.899	-55.167	-5	...	...	...	+26.421	+2.146	-4	...	...	...	...	+31.389	-45.365	-2	...	...
...	20.961	+22.122	-5	...	...	...	26.581	-3.268	-3	...	...	...	...	31.402	-25.929	-4	...	...
...	21.014	-21.991	-4	...	...	...	26.662	+16.701	-3	...	...	...	*	31.486	+19.651	1.80	43.8198	8.8
...	21.018	-39.837	-5	...	...	...	26.665	-48.426	-2	...	...	...	...	31.495	+25.671	0.75	...	...
...	21.035	-45.431	-3	...	...	...	26.807	+7.288	-5	m	...	...	*	31.642	-54.575	1.00	44.8676	9.6
...	+21.136	+16.519	-2	...	...	...	+26.911	+7.659	-4	...	...	...	...	+31.828	+58.882	-4	...	...
...	21.236	+56.322	-5	...	...	...	26.958	-46.227	0.70	...	...	...	...	31.850	-26.510	-5	...	...
...	21.278	+34.270	0.75	...	...	...	26.959	+20.996	-2	...	...	...	...	31.911	-53.719	-3	...	...
...	23.312	-22.564	-5	...	...	...	26.962	+59.334	0.65	...	...	...	...	31.954	-20.680	-4	...	...
*	21.345	+33.382	1.30	43.8188	9.6	...	* 26.986	+38.768	1.25	43.8193	9.6	...	...	32.052	+35.903	-4	...	...
1111	...	...	...	...	...	1171	...	...	...	...	...	1231	...	...	...	...	...
...	+21.413	+30.715	-5	...	...	...	+27.232	+3.909	-5	...	...	...	*	+32.118	-55.014	1.00	44.8677	9.5
...	21.488	-57.775	-5	...	...	...	27.256	-58.837	-5	...	...	...	...	32.347	+55.269	-3	...	...
...	21.494	-41.419	-3	...	...	...	27.432	-45.655	-4	...	...	...	...	32.717	-43.791	0.90	44.8678	9.8
...	21.497	-1.111	0.70	...	...	...	* 27.441	-17.366	0.90	...	...	...	...	32.723	+41.062	0.85	43.8199	9.8
...	21.679	-55.496	-5	...	...	...	* 27.459	-12.052	1.80	44.8669	9.3	...	...	32.783	+16.867	-4	...	...
...	+21.907	-45.440	-4	...	...	...	+27.481	-35.888	-5	...	...	...	...	+32.853	-27.068	-4	...	...
...	22.032	-27.998	-4	...	...	...	27.535	-28.497	-1	...	...	...	...	32.857	-26.867	-3	...	...
...	22.055	-11.334	-3	...	...	...	27.584	-55.889	-5	m	...	...	...	32.862	-37.811	-4	...	...
...	22.130	-46.939	-2	...	...	...	27.599	+1.182	-3	...	...	...	...	33.074	+38.116	-5	...	...
...	22.200	+52.148	-5	...	...	...	* 27.601	-42.074	1.80	44.8670	9.0	...	...	33.178	-17.122	-2	...	...
1121	...	...	...	...	...	1181	...	...	...	...	...	1241	...	...	...	...	...
...	+22.298	-34.423	0.85	44.8664	9.8	...	+27.713	+57.864	-2	...	...	...	...	+33.275	-41.556	-4	...	...
...	22.315	+6.508	0.75	...	...	...	27.770	+24.833	0.70	43.8194	9.8	...	...	33.289	-0.820	-4	...	...
...	22.358	+28.128	-5	...	...	...	27.962	+36.041	-1	...	...	...	...	33.294	+25.517	-4	...	...
...	22.401	-46.564	0.70	...	...	...	28.001	+3.877	-5	m	...	...	...	33.559	+25.386	-4	...	...
...	22.438	-6.148	-4	...	...	...	28.008	+24.757	-5	...	...	...	...	33.735	-38.924	-2	...	...
...	+22.525	-16.956	-5	...	...	...	† 28.017	+49.861	-4	...	...	...	...	+33.735	-57.982	-4	...	...
*	22.937	-7.650	1.00	44.8665	9.8	...	28.024	+4.735	-5	...	...	...	...	34.136	+24.806	-4	...	...
...	23.009	-35.459	0.70	...	...	...	28.035	-33.394	-5	...	...	...	...	34.575	+11.239	-3	...	...
...	23.378	+0.707	0.90	43.8189	9.8	...	28.105	+39.343	-5	...	...	...	...	34.604	+24.149	0.70	...	...
...	23.399	+56.307	0.65	...	...	...	28.181	-42.848	-5	...	...	...	...	† 34.622	-48.443	-4	...	...
1131	...	...	...	...	...	1191	...	...	...	...	...	1251	...	...	...	...	...
...	+23.455	-36.851	0.70	...	...	...	+28.255	+53.327	0.70	...	...	...	...	† 34.680	+11.491	2.40	43.8200	8.5
*	23.541	+53.595	2.00	43.8190	8.8	...	28.391	+8.020	-4	...	...	...	...	* 34.739	-7.449	0.95	44.8679	9.8
*	23.714	-13.924	1.60	44.8666	9.2	...	28.528	-25.439	-5	...	...	...	...	34.813	+28.162	-5	...	...
*	23.717	-50.282	1.10	44.8667	9.3	...	28.574	+3.837	-5	m	...	...	...	† 34.975	-29.998	-5	...	...
...	23.743	+16.112	0.75	...	...	...	28.647	+2.308	-4	...	...	...	...	35.080	+23.428	-5	...	...
...	+23.749	-23.219	-4	...	...	...	+28.653	+36.985	-4	...	...	...	...	+35.148	+48.638	-3	...	...
...	23.888	-23.374	0.70	...	...	...	28.774	-48.558	1.00	44.8671	9.8	...	...	35.266	-32.639	0.80	...	...
...	23.920	+51.413	-5	...	...	...	28.887	-38.087	-4	...	...	...	...	35.363	+59.078	0.70	...	...
...	23.927	+16.635	0.75	...	...	...	* 29.025	+47.203	1.90	43.8195	9.0	...	...	35.373	-37.168	2.80	44.8681	8.4
...	24.077	-3.985	-3	...	...	...	29.155	+7.173	-5	...	...	...	...	35.383	-20.888	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1261-1320						1321-1380						1381-1440					
1261	+35.492	+19.455	-3	...	...	1321	+39.598	-56.943	-2	...	...	1381	+45.180	-32.925	-5	...	...
*	35.660	+46.773	1.80	43.8201	9.2	...	39.709	-28.201	-3	...	...	...	45.197	-53.348	0.75	...	...
...	35.728	+50.549	-2	...	...	...	39.731	-8.754	-2	...	...	...	45.202	+40.846	-2	...	...
...	35.931	-45.637	-4	...	...	...	39.876	+18.954	-3	...	...	...	45.222	+3.963	0.90	43.8209	9.8
...	35.957	-44.239	-5	...	...	...	40.145	+14.181	-5	m	...	...	45.364	+8.416	-3	...	...
*	+35.984	-17.099	1.25	44.8682	9.5	...	+40.147	-36.198	-4	...	...	...	+45.422	-21.278	-4	...	...
...	36.028	+57.249	-1	...	...	...	40.164	-43.872	-3	...	...	...	45.437	-39.709	-5	...	...
*	36.173	+23.938	2.00	43.8202	9.0	...	40.286	-0.284	0.65	α	...	...	45.531	-30.686	-4	...	...
...	36.185	+56.753	-5	...	...	...	40.301	-10.925	0.75	44.8687	9.8	...	45.626	-22.569	-3	...	...
...	36.220	-16.069	-5	...	...	...	40.398	-13.910	-3	...	...	...	45.659	-47.957	0.90	44.8693	9.8
1271	+36.273	+16.720	-1	...	...	1331	+40.477	-10.996	-5	...	...	1391	+45.728	+43.711	0.85	43.8208	9.8
...	36.485	+9.472	-4	...	...	*	40.490	-6.391	0.90	44.8688	9.8	...	45.948	+48.067	-5	...	...
*	36.584	-19.791	2.40	44.8683	8.4	...	40.534	+37.349	0.85	43.8204	9.8	...	46.001	+5.021	-5	...	...
...	36.633	+26.402	-4	...	...	...	40.548	-18.177	-4	...	...	...	46.024	+6.353	-5	...	...
...	36.680	-12.075	-3	...	...	...	40.613	+25.517	-4	...	...	...	46.034	-18.047	-5	...	...
...	+36.758	+18.991	-5	...	...	...	+40.986	-23.061	0.65	...	...	...	+46.068	+12.174	0.75	...	...
...	36.853	-20.664	-5	...	...	...	41.015	-27.982	0.75	...	...	...	46.156	+18.649	-5	...	...
*	36.910	-54.156	1.25	44.8684	9.3	...	41.058	+49.109	0.80	...	...	*	46.214	-19.177	0.85	44.8694	9.8
...	36.917	+22.494	-3	...	...	...	41.351	-18.017	-5	...	...	...	46.223	+56.326	-5	...	...
*	37.036	-54.569	2.40	44.8685	8.4	...	41.432	-31.529	-3	...	...	...	46.244	-17.350	0.85	...	...
1281	+37.272	-13.226	-3	...	...	1341	+41.434	-22.460	-3	...	...	1401	+46.258	-36.637	-3	...	...
...	37.291	-30.746	-5	...	...	...	41.457	+19.037	-4	...	...	...	46.335	+10.119	0.75	...	...
...	37.337	-55.027	-4	...	...	...	41.487	-37.430	-5	...	...	...	46.377	+30.994	-1	...	...
...	37.345	-36.199	-3	...	...	...	41.567	-49.656	-1	...	...	...	46.830	-48.615	-2	...	...
...	37.356	+41.231	-4	...	...	...	41.576	-15.860	-3	...	...	...	46.894	+15.105	-5	...	...
...	+37.380	+43.750	-4	...	...	...	+41.611	+51.762	-5	...	...	...	+46.927	-18.106	-5	...	...
...	37.427	+56.052	-5	...	...	...	41.712	-2.520	0.80	44.8689	9.8	...	47.021	+41.363	-3	...	...
...	37.456	+15.623	0.65	...	...	*	41.734	+45.895	1.30	43.8205	9.4	...	47.130	-8.994	0.90	44.8695	9.8
...	37.475	+16.365	0.70	...	...	...	41.905	-39.474	-5	...	...	...	47.270	-51.757	-5	...	...
...	37.534	-10.605	-4	...	...	...	42.123	-34.494	-4	...	...	...	47.364	-2.844	-3	...	...
1291	+37.542	+36.622	-5	...	...	1351	+42.236	+35.837	-5	...	...	1411	+47.467	+22.674	-5	...	...
...	37.558	-44.764	-5	...	...	...	42.260	-46.124	-4	...	...	*	47.545	-52.350	1.05	44.8696	9.8
*	37.588	-48.013	0.95	44.8686	9.8	...	42.280	-59.814	-4	m	...	...	47.695	-24.575	-3	...	...
...	37.604	-34.657	-5	...	...	*	42.305	+15.508	0.90	43.8206	9.8	...	47.704	-0.451	-5	m	...
...	37.674	-19.114	-4	...	...	*	42.425	+25.721	1.50	43.8207	9.2	...	47.791	-24.412	-5	...	...
...	+37.691	+5.615	0.70	...	...	...	+42.476	-36.604	-5	...	...	...	+47.800	-0.220	-5	m	...
...	37.716	-29.193	-3	...	...	...	42.577	+5.850	0.75	...	...	*	47.944	-26.736	1.00	44.8697	9.8
...	37.821	-30.404	-5	...	...	...	42.592	+54.562	-4	...	...	...	48.174	-59.528	-5	...	...
...	37.877	+30.873	0.70	...	...	S*	42.641	-3.800	1.65	44.8690	8.9	...	48.398	-17.575	-3	...	...
...	37.972	-28.888	0.70	...	...	...	42.731	+11.588	-4	...	...	...	48.481	-32.872	-3	...	...
1301	+37.978	+15.131	-4	...	...	1361	+42.771	-9.966	-4	...	...	1421	+48.523	+5.918	-5	...	...
...	37.978	-52.983	0.90	...	...	...	42.815	-53.148	-5	...	...	...	48.560	-21.470	-2	...	...
...	38.152	-33.621	-4	m	...	...	42.834	-9.879	-3	...	...	...	48.695	+54.682	-1	...	...
...	38.182	-42.913	-5	...	...	...	42.885	+11.419	0.70	...	...	...	48.750	+25.721	-5	...	...
...	38.376	-34.957	-4	...	...	...	42.910	-51.830	-3	...	...	S*	48.797	-44.182	2.90	44.8699	8.1
...	+38.405	+24.464	-3	...	...	...	+43.064	-16.783	0.70	...	...	*	+48.885	-13.096	-5	...	...
...	38.421	+0.396	-5	...	...	...	43.369	-39.776	-5	...	...	...	48.927	-11.676	0.90	44.8698	9.8
...	38.465	+26.210	-2	...	...	...	43.446	-23.662	-5	...	...	...	49.155	+5.958	-3	...	...
...	38.614	+22.881	-4	...	...	...	43.457	+49.964	-5	...	...	...	49.170	+33.162	-4	...	...
...	38.648	+15.963	-4	...	...	...	43.478	-49.137	-5	...	...	...	49.202	-20.383	-3	...	...
1311	+38.732	-53.694	-5	...	...	1371	+43.628	+45.849	-5	...	...	1431	+49.244	+53.036	1.05	43.8210	9.8
...	38.759	+6.815	-1	...	...	...	43.630	+54.548	-3	...	...	...	49.431	-5.634	-5	m	...
...	38.852	+16.948	-5	...	...	...	43.847	-7.917	-4	...	...	...	49.530	+35.353	-5	...	...
*	38.949	+21.308	1.00	43.8203	9.6	...	44.095	+15.069	-3	...	...	...	49.725	+59.643	-4	...	...
...	38.974	+2.561	-4	...	...	...	44.361	-1.915	-1	...	...	...	49.731	-22.766	-4	...	...
...	+38.992	-8.645	0.70	...	...	*	+44.459	-36.120	0.95	44.8691	9.6	...	+49.752	-33.002	-2	...	...
...	39.057	+19.939	-5	...	...	...	44.497	+6.033	-4	...	...	...	49.756	+5.733	-5	m	...
...	39.112	+54.559	-5	...	...	...	44.525	-35.046	-4	...	...	...	49.882	+58.142	-4	...	...
...	39.182	-11.166	-4	...	...	...	44.609	+38.988	-2	...	...	...	50.104	+35.831	-5	...	...
...	39.296	-48.497	-3	...	...	*	44.827	-24.442	2.70	44.8692	8.4	...	50.184	+7.702	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1441-1480						1481-1520						1521-1548					
1441	+50°515	-18°775	1.30	44.8700	9.3	1481	+53°735	-48°357	1	...	...	1521	+57°477	+50°186	1.15	43.8219	9.6
...	50°563	+0°313	-1	...	...	...	53°851	+44°850	-4	...	...	...	57°684	-9°892	-4	...	...
*	50°616	+1°505	1.30	43.8211	9.3	...	53°971	+34°997	-2	...	...	...	57°695	-24°360	-3	...	...
...	50°648	-26°782	-3	...	...	...	53°993	-52°328	-1	...	...	...	57°874	+29°634	0.85	...	...
...	50°692	-49°720	-5	...	...	...	54°025	-13°594	-4	...	...	...	57°936	+45°081	-1	...	...
...	+50°747	-38°518	0.80	...	...	...	+54°116	-39°696	-5	...	...	...	+57°993	+45°244	0.90	43.8220	9.8
...	50°916	-37°091	-5	...	...	...	54°160	+23°783	-5	...	...	...	57°996	-15°656	-3	...	...
*	50°944	-10°587	1.00	44.8701	9.8	*	54°184	+28°052	0.90	...	...	...	58°064	+34°327	-3	...	...
...	51°004	+52°173	-1	...	...	*	54°887	-4°715	1.80	44.8702	8.8	...	58°144	+2°588	-5	...	...
...	51°044	-17°402	-3	...	...	*	54°939	-54°730	1.40	44.8703	9.5	...	58°195	-42°404	-5	...	...
1451	+51°110	+34°104	-5	...	...	1491	+54°978	-19°201	-5	...	...	1531	+58°432	+11°244	-5	...	...
...	51°150	-53°075	-5	...	...	...	55°038	+44°855	-4	...	...	...	58°441	+14°165	0.65	...	...
...	51°197	+10°747	0.75	...	...	...	55°235	-8°857	-3	...	...	...	58°445	+2°650	-5	...	...
...	51°204	-35°972	-5	...	...	...	55°352	-50°530	-5	...	...	...	58°547	-19°043	-3	...	...
...	51°207	+0°945	-2	...	...	...	55°368	+15°935	-2	...	...	...	58°561	-5°493	-4	...	...
...	+51°213	-4°622	-5	...	...	...	+55°418	-30°540	0.85	...	...	...	+58°563	-22°063	-3	...	...
...	51°219	-47°233	-5	...	...	...	55°794	+41°717	-4	...	...	...	58°821	-16°093	-3	...	...
...	51°341	-15°469	0.70	...	...	...	55°854	+9°031	0.75	...	...	...	58°839	-38°946	-5	...	...
...	51°518	-14°290	-2	...	...	...	55°888	-7°720	-4	...	...	...	58°856	-28°404	-3	...	...
...	51°587	+10°583	0.85	...	...	*	55°941	+8°448	1.00	43.8217	9.8	*	58°906	+22°333	1.25	43.8221	9.6
1461	+51°601	-26°668	-2	...	...	1501	+56°148	+28°288	2.55	43.8216	8.5	1541	+59°059	+12°331	-5	...	...
...	51°706	+51°848	-3	...	...	S*	56°184	-54°387	1.10	44.8704	9.8	...	59°073	+21°635	-5	...	...
*	51°785	+32°693	1.30	43.8212	9.4	...	56°231	+50°881	-5	...	...	N	59°087	+50°702	-1	...	...
...	52°079	-19°428	-5	...	...	...	56°262	-8°034	-5	...	...	...	59°123	+24°079	-5	...	...
...	52°116	-32°507	-3	...	...	...	56°374	+29°413	-5	...	...	...	59°260	+42°828	-5	...	...
...	+52°129	-23°251	-5	...	...	*	+56°462	+5°934	1.10	43.8218	9.8	...	+59°357	-11°265	-5	...	...
...	52°378	+43°036	-3	...	...	...	56°544	-19°920	0.65	...	...	...	59°474	+8°714	-5	...	...
...	52°458	+29°739	-5	...	...	...	56°569	+9°723	0.70	...	...	...	59°487	+6°784	0.80	...	...
*	52°503	+5°999	0.95	43.8213	9.8	...	56°602	-58°807	0.85	...	...	...	...	...	...	...	...
...	52°531	+45°397	-1	...	...	...	56°679	-14°280	0.65	...	...	...	...	...	...	...	...
1471	+52°621	+32°978	-4	...	...	1511	+56°835	-42°253	-5	m	...	...	...	...	...	...	...
...	52°745	-3°624	-5	...	...	...	56°888	+44°547	-5	...	...	...	...	...	...	...	...
...	52°849	-16°293	-4	...	...	...	56°942	-34°350	0.65	...	...	...	...	...	...	...	...
*	52°986	+1°468	1.00	43.8214	9.5	...	56°953	-3°834	-5	...	...	...	...	...	...	...	...
...	53°049	-6°548	-2	...	...	...	57°117	+17°891	-3	...	...	...	...	...	...	...	...
...	+53°108	-43°128	-2	...	...	...	+57°140	+6°353	-1	...	...	...	...	...	...	...	...
...	53°251	-38°153	-5	...	...	...	57°190	+42°558	-5	...	...	...	...	...	...	...	...
...	53°412	-40°223	-3	...	...	...	57°300	-0°782	-5	...	...	...	...	...	...	...	...
*	53°709	+22°084	2.10	43.8215	8.6	...	57°335	+53°911	-5	...	...	...	...	...	...	...	...
...	53°715	+48°674	-4	...	...	*	57°469	-48°368	2.00	44.8705	9.1	...	...	...	...	...	...

1543. Brighter of double. 43° 106, two stars; 44° 107, mass.

1-10						11-20						21-30					
I	x.	y.	Diam.	C.P.D.	Notes.	II	x.	y.	Diam.	C.P.D.	Notes.	21	x.	y.	Diam.	C.P.D.	Notes.
...	-59°639	-48°826	-4	...	...	*	-58°797	-52°520	1.30	44.8696	9.8	...	-57°380	+0°204	0.75	...	...
...	59°604	+5°741	-4	...	...	...	58°740	-21°631	-2	...	...	*	57°365	+1°395	1.70	43.8211	9.3
...	59°491	-24°762	-2	...	...	...	58°669	-11°827	1.00	44.8698	9.8	...	57°179	-33°133	-3	...	...
...	59°479	+35°195	-1	...	...	...	58°655	-13°244	-5	...	...	*	57°143	+32°609	1.60	43.8212	9.4
...	59°396	-24°589	-4	...	...	...	58°542	+52°048	0.70	...	...	...	57°071	+10°646	0.90	...	...
*	-59°188	-26°921	1.05	44.8697	9.8	...	-58°464	-33°027	-2	...	...	...	-56°871	-42°957	-2	...	...
...	59°092	-51°955	-5	...	...	...	58°130	-20°516	-2	...	...	*	56°854	-18°883	1.50	44.8700	9.3
...	59°009	-17°741	-2	...	...	...	57°821	+51°741	-3	...	...	...	56°771	+45°321	0.90	...	...
...	58°969	+5°813	-3	...	...	S*	57°777	-44°319	3.00	44.8699	8.1	...	56°761	-0°855	0.65	...	...
...	58°926	+35°697	-5	...	...	...	57°513	-22°884	-4	...	...	*	56°695	-10°677	1.15	44.8701	9.8

ES measured from 1, 97, 228, 360, 400, 624, 730, 815, 891, 975, 1064, 1166.
MC ,, ,, 50, 156, 302, 419, 560, 680, 774, 851, 937, 1014, 1115, 1208.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-56°671	+10°501	0·95	o	...	91	-50°406	+50°842	- 3	o	...	151	-45°095	+42°606	0·70	o	...
...	56°590	- 4°718	- 4	...	...	N	50°096	-54°310	1·00	44·8704	9·	...	45°054	-12°766	- 4	...	...
...	56°482	-26°871	- 3	...	...	...	49°944	- 9°770	- 4	...	...	...	44°956	+38°674	- 4	...	...
...	56°407	+29°685	- 5	...	...	...	49°942	+14°295	0·65	...	...	...	44°919	-17°714	- 4	...	...
...	56°370	-17°484	- 3	...	...	...	49°941	-34°259	- 1	...	...	...	44°884	+12°243	- 2	...	...
...	-56°331	+32°909	- 5	...	...	...	-49°852	+11°377	- 4	...	...	...	-44°864	-49°641	0·80	...	...
...	56°141	-15°554	0·85	...	...	*	49°708	+22°463	1·20	43·8221	9·6	...	44°826	-58°081	- 2	...	...
*	56°016	-38°603	1·00	...	...	*	49°644	+48°495	1·60	43·8222	9·4	...	44°802	-34°346	- 3	...	...
...	55°985	-14°365	0·65	...	...	...	49°564	+24°220	- 5	...	...	...	44°760	-43°321	1·90	44·8708	8·6
...	55°710	+48°645	- 5	...	...	...	49°555	-58°717	0·95	...	...	...	44°737	+13°366	- 3	...	...
41	-55°660	-36°032	- 5	...	...	101	-49°520	+21°767	- 4	...	...	161	-44°728	+31°838	0·65	...	...
...	55°613	+ 5°948	1·05	43·8213	9·8	...	49°506	-24°245	- 3	...	...	...	44°552	+27°568	- 4	...	...
*	55°537	-26°733	- 2	...	...	...	49°477	-15°527	- 3	...	...	...	44°501	-13°898	- 5	...	...
...	55°451	+44°828	- 3	...	...	...	49°274	+12°474	- 5	...	...	...	44°479	-40°203	- 4	...	...
...	55°108	-23°291	- 5	...	...	...	49°230	- 5°346	- 4	...	...	...	44°079	+47°119	- 3	...	...
...	-55°087	- 3°664	- 5	...	...	...	-49°153	+51°156	- 3	...	...	*	-44°060	-31°490	1·00	44·8709	9·6
...	55°010	+34°974	0·70	...	...	...	48°994	-48°252	1·80	44·8705	9·1	...	43°984	+ 9°283	- 2	...	...
*	54°987	+ 1°440	1·35	43·8214	9·5	...	48°798	-18°891	- 2	...	...	...	43°969	+23°085	- 2	...	...
*	54°903	+22°075	2·00	43·8215	8·6	...	48°780	+24°863	- 2	...	...	...	43°953	+ 0°703	- 4	...	...
...	54°705	- 6°578	- 3	...	...	...	48°750	+ 8°884	- 5	...	...	...	43°926	+12°812	- 3	...	...
51	-54°616	-16°330	- 4	...	...	111	-48°705	-21°912	- 3	...	...	171	-43°923	+28°357	1·10	43·8225	9·6
...	54°611	+28°043	0·95	...	...	...	48°659	+ 6°943	0·85	...	...	*	43°635	-27°450	0·90	...	...
*	54°511	+23°771	- 5	...	...	...	48°646	-15°935	- 2	...	...	...	43°590	- 0°195	- 4	M	...
...	54°264	+44°860	- 3	...	...	...	48°608	+42°747	- 1	...	...	...	43°569	-28°720	- 1	...	...
...	53°537	-38°162	- 4	...	...	...	48°585	+17°234	1·00	43·8223	9·8	...	43°533	+ 9°028	0·70	...	...
...	-53°517	-43°146	0·65	...	...	...	-48°393	- 4°153	- 5	M	...	...	-43°527	+25°495	- 2	...	...
...	53°502	-13°586	- 3	...	...	...	48°342	+ 5°577	0·75	...	...	...	43°421	-16°692	0·80	...	...
...	53°423	+41°738	- 4	...	...	...	48°217	-28°253	- 3	...	...	...	43°317	-26°420	- 5	...	...
...	53°311	-40°225	- 3	...	...	...	48°076	+48°906	- 1	...	...	...	43°225	+31°747	- 3	...	...
...	53°062	+15°951	- 2	...	...	...	47°919	-38°784	- 5	...	...	...	43°214	-50°584	- 5	...	...
61	-52°892	- 4°696	1·70	44·8702	8·8	121	-47°873	+53°324	0·85	...	...	181	-43°209	+25°567	- 5	...	...
...	52°724	-48°346	0·80	...	...	...	47°851	-14°086	- 4	M	...	...	43°143	+ 4°877	- 2	...	...
S*	52°638	+28°332	2·20	43·8216	8·5	...	47°755	+29°090	- 4	...	...	...	43°065	+13°693	- 5	...	...
...	52°621	-39°680	- 5	...	...	...	47°716	+55°693	- 1	...	...	...	43°035	+38°698	- 3	...	...
...	52°479	+29°458	- 4	...	...	...	47°688	- 3°685	- 2	...	...	...	43°015	-39°531	0·65	...	...
...	-52°438	- 8°823	- 3	...	...	...	-47°530	+13°052	- 5	...	...	...	-42°912	+36°103	0·70	...	...
...	52°423	+44°623	- 5	...	...	...	47°399	+42°791	- 3	...	...	...	42°840	+52°909	- 1	...	...
...	52°372	-19°172	- 5	...	...	...	47°352	-17°290	- 4	...	...	*	42°802	+54°904	1·00	43·8226	9·8
...	52°370	+ 9°079	0·70	...	...	...	47°346	+42°122	1·25	43·8224	9·6	...	42°742	- 9°798	- 5	...	...
...	52°360	-52°311	0·90	...	...	...	47°231	+34°795	- 5	...	...	...	42°645	-10°130	- 3	...	...
71	-52°341	+17°689	- 2	B	...	131	-47°087	+15°986	- 5	...	...	191	-42°610	+ 9°308	- 5	...	...
N	52°264	+ 8°498	0·95	43·8217	9·8	...	47°031	+16°614	- 3	...	...	...	42°151	+45°616	- 5	...	...
...	52°240	+53°984	- 4	...	...	...	47°015	-16°233	- 2	...	...	...	42°134	+42°779	0·90	43·8227	9·8
...	52°072	+42°622	- 5	...	...	...	47°013	+13°780	- 2	...	...	...	42°083	- 3°853	- 3	...	...
*	51°993	+50°251	1·10	43·8219	9·6	...	46°916	+12°517	- 2	...	...	...	41°910	-28°015	- 5	...	...
...	-51°819	- 7°657	- 4	...	...	...	-46°699	-41°437	- 2	...	...	...	-41°898	+45°536	- 4	...	...
...	51°680	+ 9°790	0·70	...	...	...	46°622	+19°566	0·75	...	...	...	41°833	-28°333	- 5	...	...
*	51°648	+ 6°002	0·95	43·8218	9·8	...	46°575	+30°408	- 3	...	...	...	41°815	+ 0°913	- 4	...	...
*	51°601	-30°489	0·90	...	...	...	46°026	+31°566	1·00	...	...	...	41°732	+ 1°311	- 3	...	...
...	51°367	+45°180	0·65	...	...	...	46°024	+58°595	- 4	...	...	...	41°724	+ 4°605	- 5	...	...
81	-51°363	+17°982	- 3	...	...	141	-45°849	+15°152	- 5	...	...	201	-41°480	+ 1°185	- 4	...	...
...	51°324	+45°341	0·90	43·8220	9·8	...	45°827	-51°724	- 4	...	...	...	41°447	+48°510	- 2	...	...
*	51°319	-54°687	1·50	44·8703	9·5	...	45°721	-57°063	- 4	...	...	...	41°420	- 8°799	0·80	...	...
...	51°049	-50°469	- 5	...	...	...	45°672	-41°210	1·00	44·8706	9·8	...	41°399	+ 7°712	- 5	...	...
...	51°005	+ 6°448	- 1	...	...	...	45°649	- 0°117	- 5	M	...	...	41°384	+ 1°770	- 1	...	...
...	-50°974	+29°738	0·90	...	...	...	-45°643	-26°535	- 3	...	...	...	-41°328	-34°251	- 2	...	...
...	50°923	+34°445	- 2	...	...	...	45°632	+26°980	- 5	M	...	...	41°278	-39°247	0·80	...	...
...	50°816	-14°193	0·70	...	...	...	45°392	+56°618	- 3	...	...	...	41°251	+ 9°070	- 4	...	...
...	50°774	-19°838	0·65	...	...	...	45°386	-41°393	1·10	44·8707	9·8	...	41°212	-43°979	- 2	...	...
...	50°645	- 0°683	- 5	M	...	...	45°145	+23°427	- 1	...	...	*	41°208	+55°256	1·00	43·8228	9·8

71. Var. L=8·4 - < 12·0.

91. Mass. 43°·106, two stars; 44°·106, brighter star.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-41.147	-1.027	1.10	44.8710	9.6	271	-36.739	+32.783	-2	...	...	331	-31.997	+4.835	-4	...	...
...	41.144	+16.632	-1	...	...	...	36.643	+55.855	-3	...	...	...	31.952	+48.604	-4	...	...
...	41.101	-48.424	-5	...	...	...	36.639	-8.891	1.00	44.8716	9.8	...	31.842	+1.384	-5	...	...
...	41.030	-31.010	0.70	...	...	...	36.617	-44.058	-2	...	...	...	31.841	-56.992	0.75	...	...
...	41.013	-1.586	-5	...	...	...	36.572	+14.835	-2	...	...	...	31.820	+35.704	-2	...	...
...	-40.966	-23.021	-5	...	...	...	-36.494	+44.354	-4	...	...	...	-31.800	-41.147	-2	...	...
...	40.832	-12.188	-4	...	...	...	36.358	+28.090	-4	...	...	...	31.754	+45.647	-4	...	...
...	40.815	+5.542	-1	...	...	...	36.331	+30.709	-5	M	...	...	31.725	+4.887	-5	...	...
...	40.633	+11.919	0.70	...	...	...	36.236	+7.960	-4	...	...	...	31.604	-38.751	-1	...	...
...	40.549	-36.520	-3	...	...	...	36.167	+44.423	-5	...	...	...	31.590	+4.126	0.85	43.8236	9.8
221	-40.506	+2.988	0.90	...	...	281	-36.139	-16.670	-3	...	...	341	-31.578	+1.214	2.10	43.8235	8.7
...	40.472	+43.925	-5	...	...	...	36.101	-2.697	0.80	...	...	...	31.561	-43.571	1.00	44.8722	9.8
...	40.368	-34.919	-5	...	...	...	35.877	+38.257	-3	...	...	...	31.370	-23.899	0.70	...	...
...	40.327	+13.539	1.90	43.8229	8.8	...	35.841	+50.413	-2	...	...	...	31.257	-25.213	-1	...	...
...	40.319	-35.264	-3	...	...	...	35.827	+40.481	-5	...	...	...	31.172	-14.004	-1	...	...
...	-40.314	+48.782	1.00	43.8230	9.8	...	-35.785	+0.726	-5	...	...	...	-31.097	-36.505	-5	...	...
...	40.216	-35.643	1.50	44.8711	9.1	...	35.708	+24.445	-5	...	...	...	30.876	+52.258	-3	...	...
...	39.828	-56.639	-3	...	...	...	35.689	+47.243	1.10	43.8232	9.8	...	30.835	+21.469	-5	...	...
...	39.730	+8.852	0.70	...	...	...	35.681	-21.419	-5	...	...	...	30.558	-39.749	1.00	44.8723	9.6
...	39.719	-18.095	0.95	...	...	...	35.610	-10.036	-4	...	...	...	30.528	-53.180	-5	...	...
231	-39.630	-39.153	1.00	...	...	291	-35.471	-15.295	-3	...	...	351	-30.438	-4.270	-3	...	...
...	39.492	+16.566	-2	...	...	...	35.216	-49.168	-4	...	...	...	30.410	-5.390	-5	...	...
...	39.453	+21.374	0.80	43.8231	9.8	...	35.193	-42.245	0.70	...	...	...	30.343	+31.938	0.85	43.8237	9.8
...	39.407	-25.810	-5	...	...	...	35.156	+29.645	-3	...	...	...	30.171	+19.403	-5	...	...
...	39.337	-39.392	-2	...	...	...	35.114	+35.580	-4	...	...	...	30.118	+0.130	0.90	z	...
...	-39.124	-40.064	-3	...	...	...	-35.103	-25.535	1.80	44.8718	9.2	...	-30.094	-31.826	-1	...	...
...	39.123	-32.659	-4	...	...	...	35.084	+24.614	-5	...	...	...	30.086	-36.148	1.80	44.8724	9.2
...	39.090	-32.752	-5	...	...	...	35.069	+21.390	-3	...	...	...	30.072	-52.313	0.80	...	...
...	39.028	+21.008	-5	...	...	...	34.972	-2.048	0.80	...	...	...	29.960	-55.230	-1	...	...
...	38.905	-37.796	-5	M	...	S †	34.964	-35.427	2.60	44.8717	7.9	S †	29.728	+8.352	3.10	43.8238	8.2
241	-38.825	-58.271	-5	...	...	301	-34.906	-7.392	-4	...	...	361	-29.714	+23.225	0.75	...	...
...	38.800	+50.063	0.70	...	...	...	34.822	+38.083	0.95	43.8234	9.8	...	29.685	-44.580	1.25	44.8725	9.5
...	38.618	+13.880	-3	...	...	...	34.794	+5.771	0.95	43.8233	9.8	...	29.600	+46.522	-5	...	...
...	38.614	-26.352	0.85	...	...	...	34.767	+52.322	-1	...	...	...	29.582	+38.353	0.85	43.8240	9.8
...	* 38.610	-31.822	1.05	44.8712	9.6	...	34.554	+12.595	-2	...	...	...	29.541	+59.426	2.00	42.7924	9.0
...	-38.586	-23.806	-4	...	...	...	-34.302	+17.210	-1	...	...	...	* 29.491	+10.608	1.80	43.8239	9.2
...	38.504	-31.602	-5	...	...	...	34.268	+53.895	-3	...	...	...	* 29.382	-9.888	2.80	44.8726	8.3
...	38.422	+17.761	-2	...	...	...	34.171	+44.399	-3	...	...	...	29.288	+29.497	-5	M	...
...	38.193	+50.383	-1	...	...	...	34.143	-3.128	-3	...	...	...	29.235	+20.189	-4	...	...
...	38.177	-14.328	-4	...	...	...	33.709	-41.969	0.70	...	...	...	29.175	+20.633	-5	M	...
251	-38.161	-1.330	2.20	44.8713	8.7	311	-33.676	-54.517	1.00	44.8719	9.8	371	-29.114	+55.555	0.75	...	...
...	N 38.053	-39.048	-5	...	...	...	33.668	+30.950	-4	...	...	...	28.961	-43.409	0.70	...	...
...	37.984	-31.943	-5	...	...	...	33.582	-41.819	0.70	...	...	...	28.718	-12.342	-3	...	...
...	37.983	+51.665	-1	...	...	...	33.458	+14.219	-5	...	...	...	28.634	-33.537	-4	...	...
...	37.928	+23.616	-3	...	...	...	33.381	+13.970	-4	...	...	...	28.630	+26.169	-5	...	...
...	-37.774	-5.219	-5	...	...	...	-33.364	+52.547	-2	...	...	...	-28.562	+16.626	-5	...	...
...	37.724	+3.985	-5	...	...	...	33.188	-3.353	0.75	...	...	...	28.504	-40.829	-1	...	...
...	37.687	+0.949	-5	...	...	...	33.176	-7.508	-5	...	...	...	28.444	+4.864	0.75	...	...
...	* 37.672	-19.495	1.15	44.8714	9.5	...	33.112	-6.702	-5	...	...	...	28.427	+35.412	0.80	...	...
...	37.591	-19.600	-5	...	...	...	32.973	-9.189	-5	...	...	...	28.355	-27.656	0.70	...	...
261	-37.443	-24.026	-4	...	...	321	-32.900	-36.349	-3	...	...	381	-28.130	-12.061	1.50	44.8727	9.2
...	37.398	-38.640	-5	...	...	...	32.835	-24.076	-3	...	...	...	28.064	+49.382	0.70	...	...
...	37.349	+43.249	-4	...	...	...	32.573	-35.936	-5	...	...	...	28.047	-55.204	-3	...	...
...	37.322	+9.323	-5	...	...	...	32.559	-35.184	-4	...	...	...	27.843	+21.679	0.65	...	...
...	37.196	-1.646	-2	...	...	...	32.548	-7.833	-4	...	...	...	27.798	+59.500	-5	...	...
...	-37.159	+43.794	-5	...	...	...	-32.447	-9.328	1.40	44.8720	9.3	...	-27.765	+46.649	-4	...	...
...	37.137	+4.093	-5	...	...	...	32.417	+28.467	-3	...	...	...	* 27.634	-39.042	0.95	...	...
...	37.110	-17.803	-4	...	...	...	32.195	+24.221	-3	...	...	...	† 27.575	-49.908	-1	...	...
...	* 36.887	-39.557	1.00	44.8715	9.8	...	32.117	-24.182	1.40	44.8721	9.5	...	27.558	+50.029	0.80	...	...
...	36.824	+38.423	-5	...	...	...	32.029	-40.411	0.80	...	...	...	27.397	+52.458	-5	...	...

252. Mass. 45° 106, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
391	-27°365	-26°999	-5	...	...	451	-22°536	-55°382	0·75	...	...	511	-18°227	-29°621	-5	...	...
†	27°334	+39°808	-4	...	...	n	22°538	-59°479	0·85	44·8732	9·8	*	18°177	+0°445	2·20	43·8248	8·8
...	27°317	+51°358	-4	...	...	...	22°526	-25°913	-2	...	...	...	18°175	-46°101	-4	...	...
*	27°280	-19°394	1·15	44·8728	9·6	...	22°447	-35°716	0·65	...	...	...	18°162	+40°013	-3	...	...
...	27°100	-27°230	-4	...	...	...	22°370	+19°191	-5	...	...	...	18°117	+21°358	-5	...	...
...	-27°054	+28°592	0·65	...	...	n	-22°291	-59°722	0·90	44·8732	9·8	*	-18°016	-1°736	1·05	44·8739	9·6
...	27°035	+4°530	-5	...	...	...	22°278	+56°768	-4	...	...	...	17°911	+29°265	-4	...	...
*	26°982	+26°869	1·00	43·8241	9·8	...	22°253	+3°547	0·90	43·8243	9·8	...	17°842	-23°284	-2	...	...
...	26°981	-30°408	-5	...	...	*	22°225	+38°321	0·90	...	...	*	17°831	+37°025	1·00	43·8249	9·8
...	26°966	-32°139	-3	...	...	...	22°018	+40°649	-2	...	...	...	17°702	-6°179	-3	...	...
401	-26°768	+53°603	0·65	...	...	461	-21°950	-4°133	-3	...	...	521	-17°681	+37°556	-3	...	...
...	26°462	-36°491	-4	...	...	...	21°932	+31°196	-3	...	...	...	17°646	+11°202	-5	...	...
...	26°364	-1°450	1·00	44·8729	9·8	...	21°837	+50°583	-3	...	...	...	17°638	+31°801	-5	...	...
...	26°261	+1°393	-5	...	...	*	21°812	-32°922	1·30	44·8733	9·3	...	17°485	+10°855	0·70	...	...
...	26°205	-29°539	-2	...	...	...	21°664	+44°888	-4	...	...	...	17°387	+37°431	-2	...	...
...	-26°198	+3°590	-5	...	...	*	-21°633	-1°505	1·00	44·8734	9·6	...	-17°299	-4°251	0·90	44·8740	9·8
...	26°120	-42°248	0·75	...	...	...	21°629	+7°519	-4	...	...	...	17°294	+30°792	-4	...	...
...	25°964	-55°022	-5	...	...	...	21°568	-44°542	-1	...	...	...	17°258	+59°191	0·95	43·8250	9·8
...	25°904	-28°563	-5	...	...	...	21°547	-23°404	-5	...	...	...	17°215	-52°979	-5	...	...
...	25°845	-58°407	-5	...	...	...	21°546	+6°035	-4	...	...	...	17°178	+58°199	-5	...	...
411	-25°796	-37°848	0·95	...	...	471	-21°369	+7°071	-4	...	...	531	-17°018	-6°986	-5	...	...
*	25°777	-11°020	-4	...	...	...	21°358	-17°311	-4	...	...	...	16°893	+33°038	-5	...	...
...	25°760	+5°181	-3	...	...	...	21°277	-57°814	-5	...	...	...	16°842	+59°033	-3	...	...
...	25°606	+39°687	-5	...	...	...	21°255	-41°796	-4	...	...	*	16°808	-54°417	1·30	44·8741	9·4
...	25°487	-2°643	0·80	...	...	...	21°142	-28°167	-2	...	...	...	16°735	-51°379	-2	...	...
...	-25°235	+14°278	-5	...	...	...	-21°110	+36°774	-5	...	...	...	-16°706	-29°076	-2	...	...
...	25°171	-6°528	-3	...	...	...	21°100	+44°446	-5	...	...	...	16°556	-54°584	-5	...	...
...	25°103	+25°327	0·65	...	...	...	20°902	-6°630	-3	...	...	*	16°525	+28°430	1·00	43·8251	9·8
...	24°719	-45°704	0·70	...	...	...	20°876	+20°473	0·80	...	...	...	16°425	+8°221	-5	...	...
...	24°717	-33°214	-3	...	...	...	20°816	-1°783	1·25	44·8735	9·5	...	16°401	+24°410	0·90	43·8252	9·8
421	-24°659	-49°346	0·70	...	...	481	-20°526	+39°667	-4	...	...	541	-16°298	+58°431	0·65	...	...
...	24°654	+2°727	-1	...	...	...	20°461	-57°589	-2	...	...	...	16°227	+46°232	-4	...	...
...	24°420	-7°136	-3	...	...	...	20°336	+18°451	-2	...	...	...	16°077	-5°481	1·00	44·8742	9·8
...	24°281	+55°800	0·65	...	...	...	20°287	+54°670	-1	...	...	...	15°947	-42°661	-4	...	...
...	24°279	+7°253	0·70	...	...	...	20°231	+26°260	0·80	43·8244	9·8	...	15°752	+52°003	-5	...	...
...	-24°215	+27°768	-4	...	...	...	-20°202	+54°045	-5	...	...	...	-15°640	+5°859	-5	...	...
...	24°210	-42°352	0·95	44·8730	9·8	...	20°022	+2°049	-4	...	...	...	15°636	+20°106	-2	...	...
...	24°168	+12°250	0·90	...	...	†	19°980	-20°709	1·30	44·8736	9·3	...	15°577	+41°161	0·70	...	...
S*	24°057	-4°807	3·20	44·8731	8·3	S*	19°976	+51°706	1·70	43·8245	8·9	...	15°572	-36°537	0·65	...	...
...	24°007	+59°106	-5	...	...	†	19°890	-39°942	-2	...	...	...	15°540	-11°262	-5	...	...
431	-23°981	-30°884	-3	...	...	491	-19°847	-2°461	-2	...	...	551	-15°425	-33°097	-5	...	...
...	23°949	+15°775	-4	M	...	...	19°789	-43°450	-2	...	...	...	15°404	-35°575	0·95	44·8743	9·8
...	23°782	-22°427	-1	...	...	...	19°699	+31°324	-3	...	...	...	15°321	+3°108	0·85	...	...
...	23°603	+43°854	-5	...	...	...	19°484	-19°280	-5	...	...	...	15°317	+38°787	-3	...	...
...	23°540	-54°561	-3	...	...	...	19°481	+5°440	-4	...	...	*	15°099	-57°481	1·60	44·8744	9·3
...	-23°444	+7°692	-1	...	...	*	-19°470	-58°600	1·05	44·8737	9·8	...	-15°097	+44°530	-3	...	...
...	23°394	-59°370	-5	...	...	...	19°465	+54°933	-3	...	...	...	15°022	+37°308	-4	...	...
...	23°297	+25°550	-1	...	...	*	19°402	+26°111	2·10	43·8246	9·9	...	14°982	+54°702	-5	...	...
...	23°250	+20°273	0·85	...	...	...	19°361	+52°239	-3	...	...	†	14°948	+6°547	-5	...	...
...	23°156	+18°051	-4	...	...	...	19°329	+56°485	0·65	...	...	...	14°854	-54°594	-5	...	...
441	-23°118	+40°922	-5	...	...	501	-19°112	+56°337	0·75	...	...	561	-14°750	-56°300	1·10	44·8745	9·6
...	23°043	-37°212	-4	...	...	...	19°033	+20°217	0·70	...	...	*	14°712	-58°389	0·95	...	...
...	23°019	+10°179	-2	...	...	...	18°932	-47°112	-5	...	...	†	14°667	-34°941	-3	...	...
...	22°859	-30°411	-2	...	...	...	18°910	-52°798	0·70	...	...	...	14°637	+16°995	0·85	...	...
...	22°794	+10°633	-4	...	...	*	18°804	+27°294	1·10	43·8247	9·6	*	14°596	-28°286	1·10	44·8746	9·6
*	-22°790	+19°177	1·70	43·8242	9·1	...	-18°781	+12°584	-2	...	...	...	-14°518	+39°349	-5	M	...
...	22°778	+49°463	-5	...	...	...	18°710	+20°631	-5	...	...	...	14°457	+22°980	-5	...	...
...	22°778	+38°269	-4	...	...	*	18°640	-40°594	1·15	44·8738	9·6	...	14°452	+19°269	-5	...	...
...	22°566	-55°316	0·75	...	...	...	18°615	+57°454	-5	...	...	...	14°438	-33°683	-3	...	...
...	22°543	-55°241	-1	...	...	...	18°559	-56°317	-5	...	...	...	14°424	-49°740	0·95	44·8747	9·8

452, 456. C.P.D., suspected double.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
571-630						631-690						691-750					
571	-14.352	+50.588	-2	...	...	631	-8.917	+53.207	-5	...	...	691	-3.452	+20.912	-5	...	...
...	14.287	+54.049	-3	...	...	...	8.880	+1.581	-2	...	...	*	3.287	+6.600	1.80	43.8265	9.2
...	14.252	-30.487	-3	...	...	...	8.806	-20.400	-5	...	...	...	3.127	-41.937	-4	...	...
...	13.978	+18.736	0.85	...	...	...	8.608	-45.624	-5	...	...	n*	2.985	+33.023	1.30	43.8267	7.6
...	13.898	+14.205	-3	...	...	...	8.339	+3.696	-2	...	...	...	2.899	+55.315	-3	...	...
...	-13.593	+3.269	0.95	43.8253	9.8	...	-8.065	-37.056	-5	...	...	n*	-2.891	+32.808	3.50	43.8267	7.6
...	13.572	+20.970	-4	...	...	...	8.000	+7.676	-5	...	...	...	2.854	+42.053	0.70	...	...
...	13.449	-43.670	-4	...	...	...	7.900	-46.426	-5	...	...	*	2.836	+31.659	1.70	43.8266	9.1
*	13.404	-42.366	1.50	44.8748	9.2	...	7.663	+40.056	0.70	...	...	...	2.835	-9.418	-2	...	...
...	13.401	+46.686	-4	...	...	...	7.529	+38.625	-4	...	...	...	2.749	+10.662	0.75	...	...
581	-13.385	+42.995	-4	...	...	641	-7.457	-54.301	1.15	44.8755	9.6	701	-2.643	-49.319	0.70	...	...
...	13.384	+23.912	-5	...	...	...	7.332	+0.183	-5	M	...	*	2.599	+8.220	1.00	43.8268	9.6
...	13.378	+47.851	-4	...	...	...	7.297	-53.583	-5	...	...	*	2.526	+53.498	1.60	43.8270	9.2
...	13.186	+25.590	-3	...	...	...	7.170	+20.482	-3	...	...	*	2.499	+10.608	1.00	43.8269	9.6
*	13.032	+56.850	1.80	43.8254	8.9	...	7.159	-36.158	-4	...	...	...	2.263	-8.550	0.90	44.8759	9.8
...	-12.997	-48.181	-3	...	...	...	-7.141	+55.930	-5	M	...	*	-2.162	+55.694	0.75	...	...
...	12.711	+42.259	-4	...	...	...	7.069	+39.698	1.05	43.8256	9.8	*	2.026	+45.825	0.95	43.8271	9.8
...	12.575	-15.140	0.70	...	...	...	6.969	-7.516	-5	...	...	...	1.957	-7.927	-4	...	...
*	12.493	-34.041	1.80	44.8749	9.0	...	6.949	-37.337	-4	...	...	...	1.825	+12.606	-3	...	...
...	12.471	+39.959	-4	...	...	...	6.875	+30.307	-2	...	...	...	1.792	-59.679	-2	...	...
591	-12.320	+49.625	-3	...	...	651	-6.792	+32.776	-5	...	...	711	-1.622	-7.632	0.95	44.8761	9.8
...	12.052	+29.637	-4	...	...	...	6.751	-38.766	0.70	...	...	...	1.494	-5.451	-1	...	...
...	12.024	-45.977	-5	...	...	...	6.747	+34.182	-4	...	...	...	1.465	-15.779	-4	...	...
...	11.868	+39.611	-3	...	...	N [	6.613	+42.510	-3	...	...	...	1.404	-59.887	1.00	44.8760	9.6
...	11.706	+44.566	-3	...	...	N]	6.609	+42.544	0.95	43.8257	9.8	...	1.174	+49.886	-3	M	...
...	-11.644	+34.957	-4	...	...	...	-6.613	-14.230	-5	...	...	...	-1.062	+43.450	0.75	...	...
...	11.591	+24.893	-5	...	...	...	6.584	+6.820	-5	...	...	...	0.837	+56.625	-5	...	...
†	11.593	-45.213	0.95	44.8750	9.6	...	6.460	-25.630	-2	...	...	...	0.834	-38.603	-4	...	...
*	11.437	-4.772	-4	...	...	...	6.402	+52.952	-3	...	...	...	0.604	+29.335	0.70	...	...
...	11.362	-41.919	-5	...	...	...	6.390	+38.235	-4	...	...	...	0.491	+18.381	-3	...	...
601	-11.309	-34.074	-5	...	...	661	-6.356	-19.982	-5	...	...	721	-0.477	-36.748	-5	...	...
*	11.267	-37.183	0.95	44.8751	9.6	...	6.355	+52.853	0.80	43.8259	9.8	...	0.424	-37.038	-3	...	...
...	11.199	-3.678	-4	...	...	...	6.295	+51.973	1.05	43.8260	9.8	...	0.403	-55.049	-4	...	...
...	11.085	-21.286	-2	...	...	...	6.271	+31.938	1.00	43.8258	9.8	*	0.354	+21.003	1.60	43.8272	9.4
...	11.073	+28.361	-5	...	...	...	6.223	-57.902	-5	...	...	...	0.344	-58.185	0.90	44.8762	9.8
...	-11.060	-0.527	0.75	...	...	...	-6.057	-50.168	1.05	44.8756	9.8	...	-0.335	+52.351	-3	...	...
...	11.023	+49.288	-1	...	...	...	6.018	-57.484	-5	...	...	...	0.302	-35.788	-2	...	...
...	10.941	+24.673	-5	...	...	...	5.979	+59.324	-3	...	...	...	0.291	-54.307	-1	...	...
...	10.923	-41.915	-4	...	...	...	5.964	+52.323	-3	...	...	...	-0.156	+52.748	-5	...	...
...	10.843	-16.612	0.75	...	...	...	5.950	+53.963	-4	...	...	...	+0.155	-47.893	-4	...	...
611	-10.836	+17.450	0.90	43.8255	9.8	671	-5.815	+46.627	0.70	...	...	731	+0.401	+25.373	-5	M	...
†	10.740	-40.000	0.70	...	...	...	5.694	+25.081	-5	...	...	...	0.453	-19.453	-5	...	...
...	10.537	+18.201	-5	...	...	...	5.523	-27.381	1.60	44.8758	9.3	...	0.621	-11.720	1.10	44.8763	9.6
...	10.492	+4.546	-5	...	...	...	5.496	-38.911	1.50	44.8757	9.3	†	0.755	-0.144	1.05	43.8273	9.6
...	10.375	+38.890	0.80	...	...	...	5.368	+46.419	0.75	...	...	...	0.924	-43.397	-5	...	...
*	-10.294	-5.160	1.80	44.8752	9.0	...	-5.165	+30.004	1.00	43.8261	9.8	...	+1.015	+50.276	-3	...	...
...	10.271	-49.357	-5	...	...	...	5.158	-18.789	-3	...	...	...	1.019	+57.371	0.80	...	...
...	10.218	-43.991	-5	...	...	...	5.027	-1.682	-4	...	...	...	1.065	+37.517	-5	m	...
...	10.188	-31.471	0.70	...	...	...	4.947	+12.534	-4	...	...	...	1.157	-47.371	1.00	44.8764	9.8
*	10.160	-0.803	1.10	44.8753	9.6	...	4.614	+49.842	-3	...	...	...	1.221	+26.058	-2	...	...
621	-10.077	+27.531	-1	...	...	681	-4.609	-47.534	0.85	...	...	741	+1.305	-31.315	-4	...	...
...	10.063	+16.545	-4	...	...	...	4.507	+2.758	1.00	...	...	*	1.310	-53.340	1.20	44.8765	9.6
...	10.009	+41.813	-3	...	...	...	4.482	-53.839	0.95	...	...	...	1.338	-27.041	0.65	...	...
...	9.579	-23.299	-5	...	...	...	4.461	-57.518	-4	...	...	...	1.692	+47.655	-5	M m	...
...	9.415	+53.788	-2	...	...	...	4.254	-43.658	-2	...	...	...	1.715	+0.015	-5	F f	...
...	-9.375	+12.437	-5	...	...	...	-4.249	-0.050	2.00	43.8262	9.0	...	+1.765	-56.392	0.65	...	...
...	9.229	+43.979	-5	...	...	...	4.169	+5.514	0.95	43.8263	9.8	...	1.778	-45.866	0.80	...	...
...	9.191	+24.565	-5	...	...	...	3.936	+14.505	-4	...	...	...	1.814	+2.799	1.00	43.8274	9.8
...	9.029	-15.363	0.75	...	...	...	3.665	+28.859	0.90	43.8264	9.8	...	2.030	+11.656	-5	...	...
...	8.980	+33.464	-2	...	...	...	3.516	-47.988	-2	...	...	...	2.101	+38.342	-5	...	...

654. 655. 43° 106. mass.

694. 696. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
751-810						811-870						871-930							
751	+	2.132	-44.365	-4	...	811	+	9.693	-1.994	1.00	44.8772	9.1	871	+	17.218	-47.232	-5	...	...
...	...	2.194	-56.397	0.70	...	n *	...	9.708	-38.774	0.70	...	...	...	...	17.402	+50.972	0.70	...	...
...	...	2.196	+34.747	0.75	...	...	...	9.725	+43.081	-5	...	...	...	...	17.427	+46.292	0.90	...	...
...	...	2.517	+45.716	-5	M	...	*	9.904	-23.351	1.10	44.8773	9.3	S *	...	17.480	-6.150	3.00	44.8778	8.2
...	...	2.634	+39.401	0.70	...	...	...	10.062	-55.751	-3	...	...	...	...	17.849	+40.470	-5	m	...
...	+	3.084	-51.565	-2	...	...	...	+10.202	-42.812	-5	...	...	...	...	+17.855	+44.056	-5	...	...
...	...	3.154	+55.803	0.75	...	...	†	10.234	-54.936	-3	...	...	...	...	17.901	+39.311	-5	m	...
...	...	3.161	-11.949	-2	...	...	...	10.276	-48.298	-5	m	...	...	...	18.047	+50.107	-5	...	...
...	*	3.168	+37.421	1.80	43.8275	9.1	...	10.339	-43.686	-3	...	...	...	...	18.048	+41.966	-4	...	...
...	...	3.558	+52.667	0.65	...	...	*	10.366	-54.098	1.00	44.8774	9.8	...	...	18.515	+58.171	-3	...	...
761	...	...	...	...	...	821	...	...	...	...	...	...	881	...	...	...	...	...	...
...	+	3.578	-2.342	0.85	...	*	+	10.646	-0.562	1.35	43.8280	9.4	...	+	18.625	-6.791	-3	...	...
...	...	3.813	-40.397	0.80	44.8766	9.8	...	11.208	+58.889	-4	...	...	...	*	18.748	+50.958	1.40	43.8284	9.4
...	...	3.850	+46.862	0.70	...	...	...	11.291	+41.288	-4	...	...	...	...	18.863	+34.236	-1	...	...
...	...	3.935	+42.967	-5	M	...	...	11.511	+35.355	-4	...	...	...	...	18.974	+7.619	-2	...	...
...	...	4.212	-54.301	-5	...	...	...	11.632	+48.227	-5	...	...	...	...	19.094	-36.906	-2	...	...
...	+	4.319	-16.435	-5	...	...	...	+11.672	+5.002	1.00	43.8281	9.8	...	+	19.350	+48.354	0.75	...	...
...	...	4.433	-33.552	-3	...	...	...	11.707	+31.754	-2	...	...	...	...	19.541	-38.401	-4	...	...
...	*	4.445	+48.257	1.00	43.8276	9.8	*	11.739	+58.007	1.60	43.8282	9.3	...	...	19.596	-4.003	-5	...	...
...	...	4.558	+7.903	-1	...	...	...	11.739	-44.493	-5	...	...	...	...	19.614	-26.023	0.85	44.8779	9.8
...	...	4.667	-22.674	0.65	...	...	...	11.788	-29.355	-3	...	...	...	...	19.666	-47.719	-2	...	...
771	...	...	...	...	...	831	...	...	...	...	...	...	891	...	...	...	...	...	...
...	+	4.817	+38.623	-2	...	...	+	11.841	+43.789	-5	...	...	...	†	20.017	-22.506	1.30	44.8780	9.3
...	...	4.908	+3.908	0.65	...	...	...	12.246	+36.119	-5	...	...	...	†	20.100	+49.566	1.10	43.8285	9.6
...	†	4.999	-49.228	-5	...	...	...	12.264	+29.339	-5	...	...	...	...	20.236	-26.513	-5	...	...
...	*	5.379	+32.571	1.50	43.8277	9.3	...	12.375	+37.679	-4	...	...	...	...	20.960	+56.496	-5	...	...
...	...	5.457	+33.486	-5	M	...	...	12.580	+34.449	1.00	...	...	...	...	21.018	-14.867	-5	...	...
...	+	5.468	+28.360	-4	...	...	...	+12.668	+39.006	0.70	...	...	...	...	+21.437	-17.474	-5	...	...
...	...	5.858	-38.467	-4	...	...	...	12.672	+39.651	-5	...	...	...	...	21.453	-31.730	-5	...	...
...	S *	5.894	-30.293	2.10	44.8767	8.8	...	12.730	+45.892	-2	...	...	...	...	21.458	+31.467	-5	...	...
...	†	5.903	+14.829	1.60	43.8278	9.4	...	12.745	+39.680	-3	...	...	...	...	21.680	+32.590	-4	...	...
...	...	5.949	-25.851	-5	...	...	...	12.775	-12.509	-3	...	...	...	*	21.886	-15.389	1.90	44.8781	8.8
781	...	...	...	...	...	841	...	...	...	...	...	...	901	...	...	...	...	...	...
...	+	5.969	+9.748	-4	...	...	+	13.077	-48.722	-3	...	...	...	...	+22.110	+3.816	-1	...	...
...	...	5.979	+5.918	0.70	...	...	...	13.410	+33.100	-3	...	...	...	...	22.310	+17.108	-3	...	...
...	...	6.064	+50.266	-5	...	...	*	13.526	-59.510	2.40	44.8775	8.5	...	...	22.369	+4.206	-2	...	...
...	...	6.090	-4.232	-4	...	...	...	13.778	+35.200	-2	...	...	...	...	22.409	-51.038	-5	...	...
...	...	6.226	-40.128	0.90	44.8768	9.8	*	13.825	-18.320	2.30	44.8776	8.5	...	...	22.629	-28.747	-4	...	...
...	+	6.562	+55.059	-2	...	...	†	+14.038	+49.755	-5	...	...	...	...	+22.723	-42.305	0.80	44.8782	9.8
...	...	6.708	+49.910	-4	...	...	...	14.079	+48.780	-5	...	...	...	...	22.950	+54.271	-5	...	...
...	...	6.882	-15.802	-2	...	...	...	14.165	+36.776	-4	...	...	...	...	22.964	+58.383	0.85	43.8286	10.2
...	*	6.967	-6.076	1.30	44.8769	9.5	...	14.654	-48.392	-2	...	...	...	*	23.049	+57.057	1.30	43.8287	9.6
...	...	7.239	-43.441	-4	...	...	...	14.877	+23.598	1.00	43.8283	9.8	...	...	23.127	-55.444	-2	...	...
791	...	...	...	...	...	851	...	...	...	...	...	...	911	...	...	...	...	...	...
...	+	7.528	-57.569	0.90	44.8770	9.8	...	+15.076	-49.184	-5	...	...	...	...	+23.139	-7.824	-4	...	...
...	...	7.803	-17.991	-3	...	...	...	15.274	-1.693	0.90	...	...	...	...	23.190	-10.711	-4	...	...
...	...	7.871	-0.024	-4	m	...	...	15.659	-1.307	-3	...	...	...	...	23.191	-22.228	0.65	...	...
...	†	7.945	+39.832	-1	...	...	...	15.922	+56.302	-4	...	...	...	...	23.195	+41.184	-3	...	...
...	...	7.949	-49.537	-4	...	...	...	15.929	-9.781	-5	...	...	...	...	23.331	+36.926	-2	...	...
...	+	8.086	+0.024	-3	α	...	...	+15.955	+43.781	-3	...	...	*	+	23.409	-26.135	1.25	44.8783	9.3
...	...	8.101	-4.782	-2	...	...	...	16.087	+46.772	-5	...	...	...	...	23.542	-19.881	-5	...	...
...	†	8.575	-15.035	-1	...	...	...	16.165	-9.278	-5	...	...	...	...	23.579	-54.558	-5	...	...
...	...	8.729	-35.484	-5	...	...	...	16.341	-52.533	-4	...	...	...	...	23.715	+30.379	-5	...	...
...	S *	8.756	+35.636	2.60	43.8279	8.5	...	16.388	+43.974	-4	...	...	...	*	24.014	+57.622	1.50	43.8288	9.6
801	...	...	...	...	...	861	...	...	...	...	...	...	921	...	...	...	...	...	...
...	+	8.942	+50.976	-2	...	...	...	+16.497	+36.023	-3	...	...	...	...	+24.025	+31.304	-3	...	...
...	...	8.999	+34.919	-5	...	...	...	16.626	-50.404	-4	...	...	...	...	24.102	-18.941	-2	...	...
...	*	9.062	-9.440	1.10	44.8771	9.8	...	16.664	+6.624	-5	m	...	...	...	24.110	+48.901	-4	...	...
...	...	9.272	-30.552	-4	...	...	...	16.825	-49.341	-5	...	...	...	...	24.208	+11.369	-5	...	...
...	...	9.379	-47.766	0.80	...	...	...	16.858	+28.673	-3	...	...	...	*	24.257	+53.129	1.30	43.8289	9.8
...	+	9.386	+48.839	0.80	...	...	...	+16.987	-50.148	0.70	...	...	...	...	+24.426	-51.865	-4	...	...
...	N	9.386	-48.247	0.65	...	...	...	17.012	-7.866	-3	...	...	...	...	24.436	+37.879	-5	m	...
...	...	9.484	-17.836	-4	...	...	...	17.072	+38.064	0.90	...	...	...	...	24.452	+39.994	-4	...	...
...	n *	9.570	-2.068	1.30	44.8772	9.1	...	17.171	+35.988	-5	...	...	...	...	24.509	+56.179	1.05	...	...
...	...	9.600	-18.058	-3	...	...	*	17.174	-59.492	1.00	44.8777	9.8	...	...	24.538	+40.431	-5	m	...

807. Obscures 2nd image of 805.

809, 811. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
931-990						991-1050						1051-1110					
931	+24.594	+31.935	-5	...	...	991	+31.728	+35.757	0.80	...	...	1051	+39.042	+48.232	0.90	43.8301	9.8
*	24.771	-56.540	1.25	44.8784	9.5	*	31.800	+40.754	1.05	...	...	...	39.115	-54.247	-5	...	...
...	24.781	+55.722	0.65	...	...	...	31.896	+40.448	0.80	...	...	...	39.123	-50.665	0.90	44.8798	9.8
...	24.888	+8.492	-4	...	...	...	31.909	-24.662	-5	...	...	*	39.168	-5.174	1.10	44.8797	9.4
*	24.943	+44.168	1.10	43.8291	9.8	...	32.131	-35.209	-5	m	...	...	39.227	+12.254	-4	...	...
*	+24.959	+43.859	1.15	43.8290	9.8	*	+32.162	-51.966	1.10	44.8792	9.8	*	+39.344	+42.573	1.00	43.8302	9.8
...	25.024	-31.149	-5	...	...	...	32.192	-47.965	-4	...	...	...	39.507	+1.802	-4	...	...
...	25.067	-14.005	-2	...	...	...	32.429	-43.043	-5	...	...	...	39.520	-21.965	-1	...	...
...	25.068	-21.710	-4	...	...	...	32.528	+40.677	-2	...	...	...	39.525	-46.747	0.90	44.8799	9.8
...	25.095	+6.758	-5	...	...	...	32.791	-26.937	-5	...	...	*	39.664	+2.942	1.00	...	...
941	+25.207	-28.327	1.80	44.8785	8.8	1001	+32.829	-56.854	-4	...	...	1061	+39.701	+52.770	2.40	43.8303	8.5
...	25.305	-25.509	0.70	...	...	...	32.920	+4.380	0.65	...	...	*	39.714	-48.373	1.70	44.8800	9.2
*	25.487	-34.436	1.40	44.8787	9.3	...	33.173	-27.020	-4	...	...	...	39.844	-18.379	-3	...	...
*	25.520	-49.723	1.20	44.8786	9.5	...	33.492	-18.206	1.00	44.8793	9.8	...	40.381	-13.273	-3	...	...
...	25.852	+37.325	-4	...	...	...	33.495	-56.047	1.00	...	...	...	40.391	+27.980	-5	...	...
...	+25.909	-58.439	-1	...	...	...	+33.500	+39.139	-4	...	...	...	+40.555	+0.162	-5	m	...
...	26.210	+49.508	0.90	...	...	...	33.541	-47.300	0.70	...	...	...	40.568	-50.503	-5	m	...
...	26.361	-42.696	0.90	44.8788	9.8	...	33.660	-24.298	-5	...	...	...	40.759	-59.811	-1	...	...
...	26.417	-47.343	0.70	...	...	...	33.700	-46.299	-5	m	...	...	40.960	+54.119	0.75	...	...
...	26.448	-34.877	-4	...	...	...	33.851	+25.657	-3	...	...	...	41.084	+23.363	-3	...	...
951	+26.556	-29.329	-3	...	...	1011	+33.995	+21.484	0.85	43.8296	9.8	1071	+41.125	-4.368	-5	...	...
...	26.713	-36.975	-2	...	...	...	34.762	+57.461	-5	...	...	...	41.235	-41.913	0.65	...	...
...	26.770	-14.312	-2	...	...	...	34.938	+41.347	-2	...	...	*	41.239	+21.548	1.10	43.8304	9.6
...	26.859	+50.181	-4	...	...	...	35.049	-4.419	-4	...	...	...	41.295	+8.901	-5	...	...
*	26.939	+27.186	1.30	43.8292	9.3	...	35.307	-21.903	-5	...	...	...	41.410	+41.418	-2	...	...
...	+27.066	+48.817	-5	...	...	...	+35.477	+36.292	0.90	...	...	*	+41.430	+21.122	1.00	43.8305	9.6
...	27.162	-1.631	-1	...	...	...	35.494	-28.305	-4	...	...	...	41.470	+39.331	-5	...	...
...	27.188	-23.325	-4	...	...	...	35.562	-52.952	-5	...	...	...	41.517	+51.337	-4	...	...
...	27.599	-23.323	0.80	...	...	...	35.569	-3.710	0.90	44.8794	9.8	...	41.580	+59.363	-4	...	...
...	27.972	-10.527	-4	...	...	*	35.864	+31.533	1.30	43.8297	9.4	1081	41.606	-56.083	-2	...	...
961	+28.170	-2.512	-3	...	...	1021	+35.882	-47.343	-3	...	...	...	+41.660	-8.335	-5	...	...
...	28.259	-31.960	-1	...	...	...	36.016	-52.170	-2	...	...	...	41.698	-0.169	-4	m	...
...	28.614	+46.140	-3	...	...	*	36.035	+43.431	1.60	43.8298	9.2	...	41.738	+21.174	-1	...	...
...	28.739	-58.693	0.95	44.8789	9.8	...	36.072	+48.678	-3	...	...	...	41.762	+52.106	-3	...	...
...	28.802	+46.436	0.80	...	...	...	36.078	+29.541	-5	...	...	...	42.004	-45.933	0.90	...	...
†	+28.835	+49.813	-4	...	...	...	+36.142	+44.913	1.00	43.8299	9.6	...	+42.101	+28.186	-5	...	...
*	28.862	-53.196	1.20	44.8790	9.6	...	36.217	-9.013	-2	...	...	...	42.176	-54.064	-5	m	...
*	28.933	+57.353	1.50	43.8293	9.3	...	36.226	+0.953	-4	...	...	...	42.277	-55.631	-3	...	...
†	28.963	-0.111	-4	m	...	...	36.466	-4.183	-2	...	...	...	42.347	+18.089	-2	...	...
†	29.035	-18.848	-4	...	...	*	36.495	-2.217	1.00	44.8795	9.6	1091	42.407	+59.314	-5	...	...
971	+29.472	-47.415	0.70	...	...	1031	+36.851	+23.139	-2	...	...	...	+42.461	-49.758	0.90	...	...
...	29.648	+37.472	-4	...	...	...	36.984	-0.007	0.65	α	...	...	42.479	-46.578	-5	...	...
...	29.764	+58.051	-3	...	...	...	37.461	+50.366	-4	...	...	*	42.551	-49.017	1.05	44.8801	9.8
†	29.943	+29.671	0.75	43.8294	9.8	...	37.539	-12.570	0.85	...	...	...	42.762	+42.153	-3	...	...
†	30.039	+39.833	0.65	...	...	*	37.636	+34.442	1.00	43.8300	9.8	...	42.847	-21.203	0.85	...	...
...	+30.238	-48.022	0.85	...	...	...	+37.778	-12.014	-1	...	...	*	+43.094	+12.867	1.00	43.8306	9.6
...	30.361	+54.141	-1	...	...	...	37.780	-53.334	-2	...	...	...	43.207	-32.043	-5	...	...
...	30.405	+50.915	-5	...	...	...	37.897	-50.542	-4	...	...	...	42.253	+12.908	-5	m	...
...	30.475	+12.421	1.00	43.8295	9.8	*	38.106	-42.758	1.00	44.8796	9.6	...	43.444	-59.138	-5	...	...
...	30.914	+15.490	0.75	...	...	...	38.311	-47.497	0.85	...	...	...	43.456	-33.743	-2	...	...
981	+30.954	-38.501	-4	...	...	1041	+38.323	-49.081	-4	m	...	1101	+43.474	+11.464	-3	...	...
...	31.002	-55.377	-5	m	...	...	38.421	-55.132	-4	...	...	...	43.671	-42.637	-4	...	...
...	31.064	+58.507	-2	...	...	...	38.618	-0.001	0.75	α	...	*	43.742	+50.275	1.15	43.8307	9.6
...	31.153	+46.727	-5	...	...	...	38.631	-37.426	-4	...	...	...	43.747	-57.213	-5	m	...
...	31.191	+27.360	-2	...	...	...	38.644	+35.524	-4	...	...	...	43.780	-21.417	-2	...	...
*	+31.223	-51.752	1.80	44.8791	9.2	...	+38.649	-53.975	-4	...	...	...	+44.100	-4.217	-2	...	...
...	31.442	+28.265	-5	...	...	...	38.895	-16.360	-5	...	...	...	44.111	+27.823	-5	...	...
...	31.678	+50.992	-4	...	...	...	38.929	-39.113	-5	...	...	...	44.173	+2.475	-5	...	...
†	31.682	+24.858	-2	...	...	...	38.934	-5.839	-3	...	...	...	44.232	-51.473	-1	...	...
...	31.698	+32.191	0.70	...	...	*	38.980	+53.858	0.95	...	...	*	44.315	-29.386	1.10	44.8802	9.5

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1111-1160						1161-1210						1211-1249						
1111	...	...	...	...	...	1161	...	...	...	...	...	1211	...	...	...	...	...
...	+44'373	- 8'438	- 5	...	...	...	+49'540	-53'993	- 2	...	...	S*	+55'065	+25'444	1'90	43.8316	8.8	
...	44'557	-57'590	0.65	...	...	...	49'541	- 6'363	- 5	...	...	...	55'139	+13'706	- 2	...	...
*	44'605	- 1'762	1.25	44.8803	9.3	...	49'699	+26'980	- 2	...	...	...	55'172	+57'714	0.80	43.8315	10.2	
†	44'870	-20'230	- 2	...	...	...	49'768	- 6'217	- 5	...	...	...	55'247	-47'651	0.95	44.8814	9.8	
...	44'983	-52'167	0.90	...	...	...	49'775	-45'788	- 1	...	...	...	55'392	+55'928	1.30	43.8317	9.8	
...	+45'195	-44'577	- 2	...	...	†	+49'947	-14'213	- 2	...	...	...	+55'406	-40'377	- 5	...	...
...	45'284	-55'409	- 5	...	...	...	50'052	-27'084	0.85	...	...	...	55'454	- 2'861	- 1	...	...
...	45'571	+27'134	- 3	...	...	...	59'526	-51'866	- 2	...	...	...	55'486	-26'264	- 4	...	...
*	45'589	+45'259	1.50	43.8308	9.5	...	50'806	-12'047	- 5	...	...	...	55'536	-50'734	1.00	44.8815	9.8	
...	45'608	- 7'672	- 5	...	...	...	50'807	-27'058	- 4	...	...	S*	55'554	-21'797	2.10	44.8813	8.5	
1121	...	...	...	...	...	1171	...	...	...	...	...	1221	...	...	...	...	...
...	+45'624	-53'348	1.00	44.8804	9.8	...	+50'856	+ 0.900	- 5	...	...	...	+55'776	+ 1.969	- 1	...	...
...	45'677	- 0'273	- 3	m	...	*	50'933	+23'280	1.00	...	...	...	56'018	+55'006	- 3	...	...
...	45'833	- 7'809	- 4	...	...	...	50'998	+36'306	- 5	...	...	...	56'073	-34'762	1.00	44.8816	9.8	
*	45'931	-29'229	0.90	44.8805	9.8	...	51'234	-49'426	0.90	...	...	...	56'106	+13'812	- 4	...	...
...	45'938	+40'419	- 1	...	...	...	51'247	- 2'284	- 5	m	...	...	56'421	-10'219	- 5	...	...
...	+46'162	-17'979	- 3	...	...	...	+51'322	-59'593	- 5	...	...	...	+56'687	+54'012	- 4	...	...
N	46'178	+50'944	1.10	43.8309	9.8	...	51'487	+45'913	0.95	...	...	...	†	56'850	+19'819	- 2	...	...
...	46'280	-39'634	- 4	...	...	...	51'657	+23'184	- 5	...	...	...	...	56'853	+25'917	- 4	...	...
...	46'393	-42'562	- 4	...	...	...	51'721	+39'390	- 2	...	...	...	...	56'872	+44'410	- 5	...	...
...	46'486	+ 6'309	- 2	...	...	N*	51'758	+28'501	1.60	43.8311	9.3	...	...	56'930	-10'432	0.90	...	...
1131	...	...	...	...	...	1181	...	...	...	...	...	1231	...	...	...	...	...
...	+46'496	-58'614	- 3	...	...	...	+51'882	+53'292	1.30	43.8310	9.8	...	+57'016	-39'688	0.85	...	...
...	46'500	-42'876	- 5	...	...	...	51'961	-43'728	1.20	44.8811	9.6	...	57'082	-29'901	0.90	...	...
...	46'529	-54'116	- 4	...	...	*	52'042	+29'598	1.20	43.8312	9.6	...	57'282	+35'637	- 4	...	...
...	46'572	-35'787	0.80	...	...	*	52'054	- 2'731	1.00	44.8810	9.8	...	57'329	+30'226	0.75	...	...
...	46'576	-42'545	- 2	...	...	...	52'176	+28'722	- 5	e	...	...	57'340	-29'211	- 4	...	...
...	+46'891	-55'357	- 5	...	...	...	+52'237	+33'313	- 4	...	...	...	...	57'340	-29'211	- 4	...	...
...	46'901	-57'597	- 1	...	...	...	52'292	+32'354	- 5	...	...	...	...	+57'511	+25'323	0.85	43.8318	9.8
...	46'922	-31'031	- 5	...	...	...	52'684	+48'633	- 5	...	...	...	*	57'569	- 7'236	1.00	44.8817	9.8
...	47'032	+29'969	- 5	...	...	...	52'847	+50'755	- 2	...	...	...	...	57'678	+43'807	- 4	...	...
...	47'109	-19'701	0.70	...	...	...	52'962	+50'997	- 1	...	...	...	...	57'726	+52'496	- 4	...	...
1141	...	...	...	...	...	1191	...	...	...	...	...	1241	...	...	...	...	...
...	+47'208	- 4'299	- 5	...	...	...	+53'050	+44'344	0.70	...	...	...	...	+57'840	+15'732	- 1	...	...
...	47'341	+12'710	- 5	...	...	...	53'125	-34'857	- 4	...	...	...	...	57'896	- 8'165	- 5	...	...
†	47'518	-10'179	1.10	44.8806	9.3	...	53'137	+59'112	- 3	...	...	...	...	58'191	-12'162	- 3	...	...
†	47'718	-44'931	1.00	44.8807	9.6	...	53'178	+10'744	- 4	...	...	...	...	58'435	+ 3'009	- 4	...	...
...	47'908	+33'968	- 4	...	...	...	53'198	+33'916	0.80	...	...	...	...	58'716	+55'048	- 5	...	...
...	+47'918	+49'621	- 2	...	...	...	+53'244	+19'113	- 5	...	...	N	+58'826	+23'212	1.00	43.8319	9.8	
...	47'977	+41'046	- 4	...	...	...	53'310	-45'228	0.65	...	...	...	...	59'690	-58'124	- 5	e	...
...	48'010	+19'241	0.70	...	...	...	53'331	+49'092	0.90	...	...	...	*	59'804	+48'275	1.80	43.8320	9.0
...	48'136	-20'470	- 5	...	...	...	53'455	- 2'889	- 3	...	...	...	†	59'938	+57'794	- 5	...	...
...	48'215	+16'620	- 5	...	...	...	53'491	- 2'746	- 5	e	...	...	...	...	...	...	...	...
1151	...	...	...	...	...	1201	...	...	...	...	...	...	...	...	...	...	...	...
...	+48'460	-16'116	- 4	...	...	*	+53'806	+48'993	3.00	43.8313	8.2	...	...	...	...	...	...	...
...	48'508	+42'779	- 5	...	...	*	53'943	-35'161	1.30	44.8812	9.6	...	...	...	...	...	...	...
...	48'609	-13'393	- 1	...	...	...	53'967	-59'323	1.00	...	...	...	...	...	...	...	...	...
...	48'694	+25'020	- 1	...	...	*	54'070	+23'589	1.10	43.8314	9.8	...	...	...	...	...	...	...
...	48'791	-56'173	- 5	...	...	...	54'240	+40'688	- 1	...	...	...	...	...	...	...	...	...
...	+48'805	+54'048	- 5	...	...	...	+54'413	+11'946	- 5	e	...	...	...	...	...	...	...	...
*	48'818	-18'699	1.90	44.8808	8.8	...	54'490	+24'510	- 3	...	...	...	...	...	...	...	...	...
...	48'964	-13'104	0.70	...	...	...	54'920	-42'764	0.85	...	...	...	...	...	...	...	...	...
...	49'130	+ 2'667	- 3	...	...	...	54'951	+42'340	- 2	...	...	...	...	...	...	...	...	...
*	49'189	-23'495	1.40	44.8809	9.3	...	55'052	-34'558	- 4	...	...	...	...	...	...	...	...	...

1127. Mass. 43°·107, two stars.
 1246. No sign of duplicity. 43°·107, brighter star; 44°·108, two stars.

1180. 43°·107, 44°·107, no sign of duplicity; 44°·108, two stars.

9.484 -1.7
 9.570 -2.1
 9.600 -18.0

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
1-60						61-120						121-180							
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-59.367	-55.548	-5	...	...	...	-54.363	-2.765	-5	E	...	...	-49.016	+38.905	-4	M	...
...	59.271	-57.769	-2	...	...	...	54.270	+42.348	-2	...	...	...	48.895	-29.035	-5	...	...
...	59.157	-20.649	-5	...	...	...	54.234	+55.943	1.30	43.8317	9.8	...	48.740	-47.263	-4	...	...
...	59.074	+33.142	-5	M	...	...	54.189	+24.517	-3	...	...	...	48.317	+58.711	-4	...	...
...	59.054	+26.834	-4	...	...	...	53.876	+11.941	-5	E	...	...	48.277	+34.039	-5	M	...
...	-58.968	-16.270	-4	...	...	...	-53.742	-34.867	-5	...	...	...	-47.378	+59.424	-5	...	...
...	58.921	-13.546	-2	...	...	S *	53.628	+25.470	1.80	43.8316	8.8	...	47.345	+46.424	-3	...	...
...	58.887	+2.519	-3	...	...	...	53.582	+55.046	-2	...	...	...	47.262	-12.877	1.00	44.8818	9.4
...	* 58.859	-45.105	1.00	44.8807	9.6	...	53.244	-45.218	-3	...	...	...	47.159	+37.454	-4	...	...
...	58.596	-13.245	-1	...	...	...	53.225	+11.710	-5	M	...	...	46.884	-15.405	-5	...	...
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
...	* -58.541	-18.858	1.80	44.8808	8.8	...	-53.201	+13.745	-2	...	...	...	-46.872	-57.438	-4	M	...
...	58.201	-6.484	-4	...	...	...	52.926	-35.140	1.00	44.8812	9.6	...	46.487	-57.908	-4	E	...
...	58.021	+36.215	-5	...	...	...	52.878	+53.679	-5	...	...	...	46.422	-16.326	-4	...	...
...	* 58.021	-23.626	1.50	44.8809	9.3	...	52.875	+54.072	-3	...	...	...	46.400	-2.595	-5	...	...
...	57.987	-6.343	-4	...	...	...	52.826	+39.505	-5	...	...	...	46.043	-48.846	0.80	...	...
...	-57.986	+15.948	-5	M	...	...	-52.403	+44.480	-5	...	...	...	* -46.012	+10.752	1.10	43.8321	9.4
...	57.838	+45.834	0.80	...	...	...	52.402	+24.116	-5	M	...	...	* 45.713	+22.611	0.95	...	...
...	* 57.700	+23.188	0.90	...	...	...	52.391	-2.811	-3	...	...	...	45.687	-20.738	0.65	...	...
...	* 57.670	+53.204	1.10	43.8310	9.8	...	52.235	+13.881	-5	...	...	...	* 45.521	+37.040	1.50	43.8322	9.2
...	57.562	-14.319	0.65	...	...	...	52.216	+2.036	-3	...	...	...	45.327	-0.211	-3	z	...
2I	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-57.457	-56.302	-5	...	...	...	-52.160	-59.292	0.70	...	...	...	-45.318	+45.191	-1	...	...
...	57.454	-56.413	-5	...	...	...	52.135	+19.628	-5	...	...	...	45.280	+21.934	-4	...	...
...	57.386	+39.305	-2	...	...	...	51.859	+26.002	-5	...	...	...	* 45.245	+27.254	1.00	43.8323	9.4
...	57.105	+0.804	-4	...	...	...	51.833	-34.501	-4	...	...	...	* 45.035	-53.666	0.95	44.8819	9.8
...	57.048	-27.175	0.65	...	...	...	51.778	+52.587	-4	...	...	...	* 44.940	+41.635	1.20	43.8324	9.6
N * [-57.024	+28.434	1.30	43.8311	9.3	...	-51.748	+42.911	-5	M	-44.877	+47.827	-5	
N [56.985	+28.498	-4	51.727	+35.721	-4	44.768	+44.973	-4	
...	56.969	+23.119	-4	51.716	-42.701	0.65	44.374	+0.118	-4	M	...	
...	* 56.771	-18.003	-5	S *	51.711	-21.722	1.95	44.8813	8.5	44.327	-47.616	-1	
...	* 56.766	+29.540	1.00	43.8312	9.6	...	51.684	+19.911	-2	...	...	...	* 44.303	+39.920	0.95	43.8325	9.8
3I	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-56.764	-45.883	-2	-51.636	-26.190	-5	-44.219	-14.558	-3	
...	56.759	-12.126	-4	51.589	+43.899	-4	43.831	+26.228	0.65	
...	56.745	-54.105	-3	51.553	+25.359	-5	43.638	-43.432	-3	
...	56.700	+33.249	-4	51.516	+30.325	0.65	43.302	+19.860	-3	
...	56.623	+50.699	-3	51.447	+54.127	-5	43.192	-49.875	-5	M	...	
...	-56.617	+28.673	-5	E	-51.291	-40.310	-5	-43.115	+46.820	-5	
...	56.613	+32.288	-5	51.223	-47.571	0.90	44.8814	9.8	42.985	+3.368	-5	M	...	
...	56.590	+59.049	-4	* 51.191	+25.417	0.90	43.8318	9.8	42.914	-50.394	-3	
...	56.557	-25.713	-5	M	51.191	-10.139	-5	42.890	-46.949	-4	
...	56.512	+50.943	-2	...	...	101	...	...	...	...	...	161	...	...	...	...	...
...	-56.417	+50.739	-5	* -50.844	-50.648	1.05	44.8815	9.8	-42.449	-28.239	-5	
...	56.285	-27.136	-4	* 50.802	-34.670	1.00	44.8816	9.8	42.350	+57.284	-5	
...	56.218	+44.285	-2	50.675	-10.313	0.80	42.248	-34.311	-5	
...	56.088	+49.049	0.80	50.556	+15.842	-2	42.153	-5.486	-4	
...	55.822	-51.932	-3	50.317	+30.459	-5	42.102	+27.685	-5	
...	* -55.797	-2.776	0.90	44.8810	9.8	50.253	+57.352	-5	-41.989	+19.102	-5
...	55.766	+33.883	0.75	50.144	-7.106	0.90	44.8817	9.8	41.866	+35.544	-5
...	* 55.605	+48.976	3.00	43.8313	8.2	49.939	-29.776	0.75	41.770	+19.507	-4
...	55.270	+19.091	-4	N * [49.815	+23.360	0.90	43.8319	9.8	41.570	+42.372	0.75	
...	55.189	-49.471	-2	49.785	+23.389	-5	A	41.349	-17.256	0.85	44.8821	9.8	
51	...	...	...	...	...	111	...	...	...	...	...	171	...	...	...	...	...
...	-55.075	+10.709	-3	-49.785	-8.017	-5	-41.136	-39.882	-2	
...	55.043	-13.783	-5	49.735	+57.941	-3	41.120	-3.204	-5	
...	54.996	-13.638	-5	49.712	-39.561	0.65	41.041	-54.582	-5	
...	54.912	+40.690	-2	49.704	-29.082	-5	41.037	-15.998	0.65	
...	54.806	-59.621	-5	49.603	+48.435	1.80	43.8320	9.0	* 40.989	-41.352	0.95	44.8820	9.8	
...	-54.688	+55.756	-4	49.583	+3.155	-5	-40.910	+43.475	-5	M	...
...	54.649	-43.755	0.95	44.8811	9.6	49.450	+6.372	-5	M	* 40.788	+38.479	1.05	43.8326	9.5	
...	54.574	+23.592	0.95	43.8314	9.8	49.389	-12.025	-4	40.700	+31.648	-5
...	54.501	+57.750	-1	43.8315	10.2	49.231	-6.912	-5	M	40.675	-2.493	-5
...	54.400	-2.898	-3	49.125	+51.347	0.85	40.511	+26.394	-5	

MC measured from 1, 117, 195, 316, 417, 513, 602, 715, 837, 971, 1104, 1233.
 ES ,, ,, 60, 148, 258, 364, 460, 558, 660, 778, 894, 1043, 1167, 1300.

26, 27. 43°·107, 44°·107, no sign of duplicity.
 109, 110. 43°·107, brighter star; 44°·107, no sign of duplicity.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	...	...	...	...	...	241	...	...	...	...	...	301	...	...	...	...	...
...	-40'460	+10'044	-5	...	...	...	-36'321	+46'591	-3	...	...	...	-31'091	+43'195	-3	...	...
...	40'437	+23'853	-5	...	...	...	36'230	-18'487	-5	...	...	...	31'014	-46'040	-2	...	...
...	40'405	-24'439	-5	...	...	...	36'217	-29'255	-5	...	...	...	31'001	-4'674	-2	...	...
...	40'344	+39'963	-2	...	...	...	36'199	+55'647	-4	...	...	...	30'980	-32'271	-5	...	...
...	40'242	+59'197	-4	...	...	...	35'649	-29'172	-4	...	...	...	30'967	-31'974	-5	...	...
...	-40'229	+28'892	-3	...	...	...	-35'505	+23'495	-5	M	...	...	-30'660	+49'363	-3	...	...
...	40'069	-21'039	-5	...	...	...	35'489	-58'519	-3	...	...	...	30'448	+32'331	-5	...	...
...	40'060	+33'837	-5	...	...	...	35'463	+8'679	-4	...	...	...	30'441	+51'045	-5	...	...
...	39'943	-26'927	0.85	44.8822	9.8	*	35'448	+21'896	0.90	...	...	...	30'374	-28'468	-4	...	...
...	39'917	+10'534	-2	...	...	...	35'439	-53'391	-5	...	...	...	30'357	-6'910	-3	...	...
191	...	...	...	...	...	251	...	...	...	...	...	311	...	...	...	...	...
...	-39'864	+31'693	-2	...	...	...	-35'201	+8'531	-4	...	...	...	-30'277	-35'457	0.85	44.8828	9.8
...	39'803	-9'149	-5	...	...	...	35'070	+47'025	-5	M	...	...	30'265	-16'082	-5	...	...
...	39'792	-11'816	-3	...	...	...	34'886	-59'743	-2	...	...	...	30'125	+44'127	-5	...	...
...	39'717	+30'399	-5	...	...	...	34'876	+28'946	-4	...	...	...	30'118	-9'954	-5	...	...
...	39'530	-42'774	-5	M	...	...	34'761	-48'511	-3	...	...	...	29'842	-0'632	-3	...	...
†	-39'510	+53'604	-4	...	...	...	-34'704	+42'986	0.85	...	...	†	-29'553	-29'389	0.80	44.8829	9.8
...	39'465	-29'083	-4	...	...	...	34'610	+53'093	-4	...	...	†	29'513	+57'403	-5	...	...
...	39'435	-28'694	-5	...	...	...	34'578	-32'464	-4	...	...	†	29'407	+49'721	0.70	...	...
...	39'350	-53'769	0.90	...	...	...	34'433	-41'531	0.65	...	...	...	29'245	-52'127	-5	M	...
...	39'213	-9'042	-5	...	...	...	34'363	+46'219	-2	...	...	...	29'235	+40'122	-5	M	...
201	...	...	...	...	...	261	...	...	...	...	...	321	...	...	...	...	...
...	-39'186	-49'010	-4	...	...	...	-34'324	-13'605	-5	M	...	...	-29'231	-8'683	-3	...	...
...	39'167	+43'273	-5	...	...	...	34'289	-13'672	-5	...	...	...	29'159	+36'720	1.00	43.8331	9.8
*	39'004	-22'378	0.90	...	...	...	34'238	+32'458	-3	...	...	...	28'928	+51'589	-4	...	...
S *	38'955	+18'130	2.30	43.8327	8.3	...	34'223	-56'779	-4	...	...	...	28'736	-56'625	-4	...	...
...	38'953	-45'071	-2	...	...	...	33'979	-58'147	-5	...	...	...	28'694	+50'965	-5	...	...
...	-38'872	+28'538	-5	...	...	...	-33'920	-38'834	-3	...	...	...	-28'600	+45'341	-5	M	...
...	38'758	+39'284	-5	M	...	...	33'855	+34'100	-4	...	...	...	28'239	-37'855	-4	...	...
...	38'587	-43'264	-5	M	...	...	33'783	-16'148	-5	...	...	...	28'223	-13'632	-5	...	...
...	38'378	-44'313	-5	M	...	...	33'775	+34'385	-5	...	...	...	28'197	+49'246	0.75	...	...
...	38'300	+20'831	-3	...	...	...	33'591	-54'674	-3	...	...	...	28'181	-43'225	-4	...	...
211	...	...	...	...	...	271	...	...	...	...	...	331	...	...	...	...	...
...	-38'290	-20'693	0.70	...	...	...	-33'339	+56'344	-5	...	...	...	-28'030	+38'607	1.30	43.8332	9.1
...	38'232	-27'152	-4	...	...	...	33'332	-41'865	0.90	...	...	...	28'006	+13'635	-5	...	...
...	38'176	-45'094	-4	...	...	...	33'203	-45'009	-4	...	...	...	27'903	-2'721	-2	...	...
...	38'168	-2'126	-3	...	...	...	33'183	+49'086	-5	...	...	...	27'658	-52'621	-5	M	...
†	38'007	-5'109	-5	...	...	...	33'173	+22'980	1.00	43.8329	9.8	...	27'439	-51'379	-2	...	...
...	-37'929	-15'326	-2	...	...	...	-33'116	+37'963	0.65	...	...	...	-27'432	-37'808	-5	...	...
...	37'886	-44'171	-1	...	...	...	33'090	-6'780	-5	...	...	...	27'401	+42'051	-4	...	...
...	37'878	+28'174	-5	...	...	...	33'001	+39'085	-3	...	...	...	27'339	-53'871	-5	...	...
...	37'875	+37'914	-5	M	...	...	32'928	+55'497	-3	...	...	...	27'254	-6'074	-5	...	...
*	37'848	-44'112	0.95	44.8823	9.6	...	32'859	+44'228	-5	M	...	...	27'204	-57'066	-1	...	...
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	-37'811	+55'777	-5	...	...	...	-32'764	+59'425	-5	...	...	...	-27'035	+36'693	-5	M	...
...	37'755	-31'393	-3	...	...	...	32'737	+26'972	-5	...	...	...	26'977	+14'688	-4	...	...
†	37'737	+44'758	0.75	...	...	...	32'653	+39'221	-5	...	...	...	26'911	-32'482	-2	...	...
...	37'593	-13'857	0.85	...	...	...	32'640	+50'132	-3	...	...	...	26'876	+42'771	-5	...	...
...	37'549	+57'024	-4	...	...	...	32'494	+52'957	0.80	...	...	...	26'852	-18'380	-4	...	...
...	-37'350	+13'300	-3	...	...	...	-32'435	-5'171	-5	...	...	N	-26'707	-8'588	-3	M	...
...	37'328	-44'398	-4	...	...	...	32'348	+9'504	-5	...	...	...	26'006	-58'399	-3	...	...
*	37'275	+58'820	1.10	43.8328	9.6	...	32'310	-38'886	-5	...	...	...	25'978	-51'810	-3	...	...
...	37'270	-50'290	-2	...	...	...	32'306	-24'275	0.95	44.8826	9.8	...	25'894	+54'381	-4	...	...
...	37'229	+51'644	-5	...	...	...	32'260	-34'258	1.00	44.8825	9.8	*	25'767	-30'746	1.00	44.8831	9.5
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	-37'209	-15'883	-2	...	...	...	-32'258	+33'485	0.75	...	...	...	-25'586	+52'251	0.80	...	...
*	37'092	-23'974	1.00	44.8824	9.6	...	32'180	+34'311	-4	...	...	...	25'526	-54'237	-4	...	...
...	36'976	-18'241	-1	...	...	...	31'982	+24'100	-4	...	...	...	25'387	-44'698	1.00	44.8832	9.8
...	36'729	-58'414	-3	...	...	...	31'884	+12'584	-4	...	...	...	25'327	+13'756	-4	...	...
...	36'619	-56'589	-4	...	...	...	31'750	-38'216	-5	M	...	...	25'289	+21'573	-5	M	...
...	-36'586	-56'359	-4	...	...	*	-31'568	-50'198	1.00	44.8827	9.8	...	-25'283	+59'237	-5	...	...
...	36'570	+56'330	-4	...	...	...	31'307	-48'427	-2	...	...	...	25'056	+43'523	-4	...	...
...	36'486	+51'021	-5	...	...	...	31'252	+22'080	-4	...	...	...	25'049	+16'660	-2	...	...
...	36'467	+51'292	-1	...	...	...	31'247	+13'024	1.15	43.8330	9.4	...	24'869	+20'417	-3	...	...
...	36'420	-54'552	-1	...	...	...	31'202	+30'275	-4	...	...	...	24'854	-38'281	-3	...	...

346. Var.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
361-420						421-480						481-540						
361	-24.743	+42.456	-5	...	...	421	-19.056	-3.681	-5	M	...	481	-12.728	-45.191	-4	...	...
...	24.679	+36.587	-1	...	...	...	18.195	-24.181	-4	...	...	...	12.504	-32.984	-2	...	...
*	24.664	+47.054	1.10	43.8333	9.6	...	18.033	-26.835	-4	...	...	...	12.488	-46.445	0.70	...	...
...	24.548	-53.702	-4	...	...	*	17.912	-17.766	1.10	44.8837	9.6	...	12.410	-4.722	-4	...	...
S †	24.542	+51.802	2.00	43.8335	8.3	...	17.827	-12.484	-4	...	...	...	12.360	+56.791	-5	...	...
*	-24.537	-11.929	1.05	44.8833	9.6	...	...	-17.663	-39.726	-5	...	...	...	-12.348	-19.216	-3	...	...
...	24.421	+14.577	-1	43.8334	10.1	...	...	17.661	-8.327	-4	...	...	...	12.340	-38.695	-5	...	...
...	24.324	-40.750	-5	...	...	*	...	17.658	+29.050	0.90	43.8338	10.1	...	12.296	+58.931	-3	...	...
...	24.207	-11.707	0.70	...	...	...	...	17.654	-50.115	-5	...	...	...	12.156	-56.235	0.80	...	...
...	23.857	+41.193	-4	...	...	...	...	17.652	-5.428	-5	...	...	...	12.037	+28.251	-3	...	...
371	-23.826	+8.410	-5	M	...	431	-17.589	+46.535	-4	...	...	491	-11.799	-52.537	-4	...	...
...	23.781	+7.797	0.90	43.8336	10.1	...	...	17.583	+47.584	-2	...	...	...	11.766	+32.086	-3	...	...
...	23.748	-54.817	-5	...	...	N	...	17.544	+47.568	-1	...	...	...	11.705	+56.289	-4	...	...
...	23.669	-12.012	-4	...	...	N	...	17.499	+24.040	1.00	43.8339	9.8	...	11.529	-47.020	0.80	...	...
*	23.627	+34.304	1.15	43.8337	9.6	*	...	17.247	+50.027	-5	M	...	...	11.473	+44.201	-5	M	...
...	-23.604	-39.423	-5	...	...	...	...	-17.239	-19.216	0.95	44.8839	10.0	...	-11.339	-45.985	-2	...	...
...	23.572	+5.103	-5	...	...	...	...	17.160	+56.675	-4	...	...	...	11.274	-21.832	-1	...	...
...	23.567	-33.611	-1	...	...	S *	...	17.076	-54.654	2.20	44.8838	8.2	...	11.225	+14.705	0.80	43.8344	10.1
...	23.391	-34.030	-5	...	...	...	...	17.006	+23.365	-3	...	...	...	11.177	+49.873	-4	...	...
...	23.216	+53.940	-5	...	...	...	...	16.914	+8.235	-4	...	...	...	11.159	-47.383	-5	...	...
381	-23.137	-32.481	-5	...	...	441	-16.565	+54.360	0.80	43.8340	10.1	501	-11.000	-31.353	1.80	44.8843	8.9	
...	23.102	+24.668	-3	...	...	...	...	16.481	+35.836	-4	...	...	*	10.969	+53.127	1.05	43.8345	10.1
...	23.038	-24.973	-2	...	...	...	...	16.245	-53.080	-5	...	...	...	10.964	+22.421	-5	M	...
...	23.025	+25.659	-5	...	...	...	...	16.229	+55.426	-3	...	...	...	10.713	-52.622	-1	...	...
...	23.009	+38.929	-5	...	...	...	...	16.209	+59.073	-4	...	...	...	10.607	+41.539	-4	...	...
†	-22.989	+4.824	-4	...	...	...	...	-16.125	-28.366	-1	...	...	...	-10.604	-15.964	-3	...	...
...	22.977	-49.742	-5	...	...	...	...	16.118	+51.032	-4	...	...	*	10.373	+12.340	1.50	43.8346	9.2
...	22.967	-54.494	-5	...	...	...	...	15.913	+46.699	-5	M	...	...	10.182	+13.909	-4	...	...
...	22.878	-57.989	-5	...	...	...	...	15.709	+12.703	-4	...	...	...	10.125	+30.094	-5	...	...
*	22.825	-52.179	0.90	44.8834	10.0	...	...	15.627	+48.787	-4	...	...	...	9.964	+45.741	-5	...	...
391	-22.763	+51.711	-3	...	...	451	-15.538	+41.915	1.70	43.8341	8.9	511	-9.905	-58.336	-3	...	...
...	22.703	+55.690	-5	M	...	...	...	15.482	-7.821	-5	...	...	...	9.817	-23.559	-5	...	...
...	22.634	+41.931	-3	...	...	...	...	15.474	-23.931	-3	...	...	...	9.557	-13.102	-4	...	...
*	22.621	-34.639	1.60	44.8835	9.0	*	...	15.409	-24.003	1.00	44.8841	9.6	...	9.403	+42.388	-4	M	...
...	22.565	+56.304	-5	...	...	...	...	15.324	+47.353	-5	...	...	*	9.318	-20.664	1.00	44.8844	9.8
...	-22.375	-17.601	0.65	...	...	...	...	-15.226	+33.256	-4	...	...	...	-9.214	-47.290	-3	...	...
...	22.125	+36.971	-4	...	...	*	...	15.223	-59.237	0.95	44.8840	10.0	...	9.206	+20.945	-3	...	...
...	22.123	+46.194	-3	...	...	...	...	14.971	+18.669	-5	M	...	...	9.131	-58.166	-5	...	...
...	22.072	-27.555	-5	...	...	...	...	14.735	-36.657	-5	...	...	...	9.123	-41.104	-1	...	...
...	22.063	-4.496	0.70	...	...	†	...	14.578	+34.701	-4	...	...	...	8.910	+54.506	-5	M	...
401	-22.061	+44.491	-4	...	...	461	-14.477	+1.861	-5	...	...	521	-8.840	+39.034	-4	...	...
...	21.934	-49.506	-5	...	...	...	...	14.449	-56.741	-5	...	...	...	8.761	+27.542	-5	M	...
...	21.514	+34.548	-5	...	...	...	...	14.441	+36.727	-5	M	...	...	8.723	-16.785	-4	...	...
...	21.352	-42.787	-4	...	...	...	...	14.345	+55.961	-4	...	...	...	8.714	+39.053	-4	...	...
...	21.188	-42.673	-1	...	...	...	...	14.311	+14.633	-3	...	...	...	8.529	-30.620	-3	...	...
*	-21.145	-37.044	1.60	44.8836	9.0	...	...	-14.288	+22.867	-3	...	...	...	-8.498	+6.566	-5	...	...
...	21.060	-45.655	-3	...	...	...	...	14.187	-49.175	-5	...	...	...	8.323	+42.314	-5	M	...
...	20.667	-34.178	-5	...	...	...	...	13.868	+34.962	-1	...	...	...	8.006	+52.810	-1	...	...
...	20.659	+47.846	-5	...	...	n	...	13.783	+57.823	-3	43.8342	10.2	...	7.905	+13.740	-1	...	...
...	20.536	+45.909	-5	M	...	...	...	13.760	-10.394	-5	...	...	...	7.741	+28.714	-5	M	...
411	-20.394	-26.576	-5	...	...	471	-13.747	-36.772	-3	...	...	531	-7.459	+0.290	-2	x	...	
...	20.205	-28.939	-5	...	...	...	...	13.715	-46.484	-5	...	...	*	7.388	-27.554	1.40	44.8845	9.2
...	20.136	-16.896	-3	...	...	n	...	13.628	+57.774	0.65	43.8342	10.2	...	7.274	+8.720	-5	M	...
...	20.084	+11.455	-5	...	...	*	...	13.585	-41.821	2.00	44.8842	8.6	...	7.237	+32.397	-4	...	...
...	19.767	-31.038	-5	...	...	...	...	13.422	-38.122	-5	...	...	...	7.230	-42.858	-5	...	...
...	-19.744	-5.312	-5	...	...	...	...	-13.336	+10.189	-5	M	...	...	-7.066	-43.723	-5	...	...
...	19.405	+33.432	-4	...	...	...	...	13.098	+8.886	-1	...	...	...	7.054	+27.791	-3	...	...
...	19.361	-19.169	-3	...	...	*	...	13.042	+19.089	1.10	43.8343	10.0	...	6.895	-41.979	-2	...	...
...	19.186	-19.824	0.80	...	...	...	...	12.771	+14.193	-5	...	...	...	6.775	+17.672	-2	...	...
...	19.066	-17.006	-3	...	...	...	...	12.756	+34.967	-5	...	...	...	6.703	-48.249	-3	...	...

432, 433. 43° 107, mass.

460, 473. C.P.D. probably mass.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.
541-600						601-660						661-720					
54I	- 6'599	+12'107	- 3	...	...	60I	+ 0'251	+48'260	- 4	...	...	66I	+ 5'44I	-28'065	1'05	44.8854	9·8
...	6'596	-23'618	- 5	...	...	...	0'522	+38'087	- 4	...	...	...	5'481	- 0'314	- 4	...	...
...	6'265	-15'031	- 2	...	...	*	0'884	+21'306	1'30	43.8351	9·4	...	5'685	- 9'340	- 5	...	...
...	6'204	-33'201	- 3	...	...	...	0'948	+ 6'277	0'90	43.8350	10·0	*	5'869	- 0'953	1'10	44.8855	10·0
*	6'196	-24'498	1'20	44.8846	9·2	...	1'013	-15'029	- 3	...	...	...	5'898	- 7'103	- 3	...	...
...	- 5'938	-36'400	- 5	...	...	...	+ 1'038	-56'626	0'75	...	...	...	+ 5'939	-55'801	- 4	...	...
...	5'822	+46'753	- 2	...	...	...	1'193	+56'790	- 5	M	...	*	5'940	-39'728	1'00	44.8856	9·8
*	5'774	+13'364	1'00	43.8347	10·0	...	1'241	+51'344	0'85	...	...	...	5'976	+11'892	- 5	M m	...
...	5'762	-23'461	- 4	...	...	...	1'309	+40'188	- 4	M m	...	...	6'091	+36'706	- 4	...	...
S*	5'442	-19'510	5'75	44.8847	6·8	...	1'309	-59'729	- 4	...	...	...	6'230	+14'607	- 5	m	...
55I	- 5'368	+31'891	- 4	...	...	61I	+ 1'364	+29'952	- 5	M m	...	67I	+ 6'270	-33'959	- 5	...	...
...	5'293	-44'759	- 3	...	...	*	1'383	+55'413	0'95	43.8353	10·0	...	6'309	-56'727	- 5	...	...
...	5'285	-34'755	- 5	...	...	...	1'404	-46'654	- 4	...	...	...	6'322	+54'401	- 5	m	...
...	5'087	+ 6'849	- 5	M m	...	...	1'406	+57'081	0'90	43.8352	10·1	...	6'367	+15'387	- 3	...	...
...	5'041	-58'878	- 5	...	...	...	1'419	+40'652	- 3	...	...	S*	6'687	-46'630	2'00	44.8857	8·2
...	- 4'982	-40'392	- 1	...	...	...	+ 1'454	+31'008	- 5	M m	...	...	+ 6'691	-35'608	- 5	...	...
...	4'910	+48'405	- 4	M	...	...	1'462	+39'208	- 2	...	...	...	6'695	+48'865	- 4	...	...
†	4'633	- 8'857	1'40	44.8848	9·2	...	1'462	-48'366	- 3	...	...	...	6'785	-22'317	- 5	...	...
...	4'509	-58'854	- 5	...	...	...	1'576	+39'917	- 5	M m	...	...	6'789	-50'634	- 4	...	...
...	4'271	+34'039	- 4	...	...	...	1'589	-59'396	0'80	...	...	...	6'851	-45'189	- 4	...	...
56I	- 4'121	+43'160	- 4	...	...	62I	+ 1'695	+31'206	0'65	...	...	68I	+ 6'967	+20'655	- 5	...	...
...	4'031	-38'674	- 4	...	...	...	1'816	+36'967	- 3	...	...	...	7'079	-41'919	- 3	...	...
...	4'018	+42'843	- 4	...	...	...	1'820	-56'320	- 5	...	...	...	7'156	+ 4'459	- 5	m	...
...	4'010	+35'503	- 5	m	...	...	2'022	- 1'737	- 5	...	...	*	7'161	-53'619	1'00	44.8858	9·6
...	3'977	-39'013	- 5	...	...	...	2'061	+ 9'181	- 5	...	...	...	7'442	-55'470	- 4	...	...
...	- 3'968	-21'257	- 5	...	...	...	+ 2'113	-21'700	0'90	...	...	...	+ 7'614	+58'527	- 4	...	...
...	3'964	+49'084	- 5	M	...	*	2'166	-28'887	0'95	44.8851	9·8	...	7'761	+35'913	- 4	...	...
...	3'923	+59'117	0'65	...	...	...	2'210	+45'942	- 1	...	...	...	7'768	+59'516	- 4	...	...
...	3'769	+38'448	- 4	...	...	...	2'243	-34'151	- 4	...	...	...	7'939	+56'510	- 3	...	...
*	3'721	-18'155	0'90	44.8849	10·1	...	2'517	+14'870	- 5	M m	...	...	7'966	+29'331	- 4	...	...
57I	- 3'702	-38'538	- 4	...	...	63I	+ 2'544	-17'671	- 5	M	...	69I	+ 8'323	-36'934	- 5	...	...
...	3'592	+10'796	- 5	...	...	*	2'761	+23'074	1'00	43.8354	10·0	...	8'468	+39'802	- 3	...	...
...	3'560	+27'299	- 4	M m	...	*	2'790	-31'556	0'95	44.8852	10·0	...	8'549	-37'147	0'85	...	...
†	3'459	-35'076	- 4	...	...	...	2'816	-17'287	- 4	...	...	...	8'725	+41'534	- 2	...	...
...	3'355	-52'934	- 5	...	...	...	2'867	+55'323	0'85	...	...	...	8'739	-28'932	- 5	...	...
...	- 3'341	+36'028	- 4	...	...	...	+ 3'017	-45'775	- 5	...	...	...	+ 8'867	+35'796	- 4	...	...
...	3'210	-41'743	- 4	...	...	...	3'360	+12'016	- 5	M m	...	*	8'887	-48'095	1'15	44.8859	9·2
...	2'711	-23'886	0'85	44.8850	10·1	*	3'543	-44'181	0'90	44.8853	10·1	...	9'031	- 5'768	0'75	...	...
...	2'567	-12'631	- 4	...	...	...	3'640	+45'146	- 3	M	...	...	9'067	+ 3'925	- 5	m	...
...	2'541	+27'786	- 5	...	...	...	3'732	-28'178	- 1	...	...	...	9'305	-19'215	- 2	...	...
58I	- 2'495	+53'309	- 5	M m	...	64I	+ 3'846	- 0'766	- 4	...	...	70I	+ 9'392	- 6'058	- 5	...	...
...	2'425	-56'856	- 5	...	...	...	3'905	+ 0'848	- 4	M	...	...	9'394	+42'323	- 4	...	...
...	2'359	-18'934	- 5	...	...	...	3'964	-48'864	- 4	...	...	...	9'435	+49'865	- 5	...	...
...	2'214	+35'388	- 4	...	...	...	4'059	+12'393	- 4	M m	...	...	9'583	+36'402	0'85	...	...
...	2'173	+40'241	- 1	...	...	*	4'074	-50'812	0'85	...	...	...	9'606	+37'350	- 3	...	...
...	- 2'086	-48'085	- 5	...	...	...	+ 4'132	-29'837	- 3	...	...	...	+ 9'611	-24'808	- 3	...	...
...	1'901	-15'609	- 5	...	...	...	4'315	+34'141	- 4	...	...	...	9'637	-37'341	- 5	...	...
...	1'891	+49'804	- 3	...	...	...	4'480	-14'856	- 2	...	...	...	9'726	-41'280	- 5	...	...
...	1'578	+13'540	- 4	...	...	...	4'641	+55'635	- 4	...	...	...	9'756	+55'654	- 2	...	...
*	1'302	+15'964	0'95	43.8348	10·1	...	4'698	-46'555	- 4	...	...	...	9'899	+ 6'384	0'65	...	...
59I	- 1'165	-27'983	0'80	...	...	65I	+ 4'738	- 0'806	- 4	...	...	71I	+ 9'941	-30'017	- 5	...	...
...	0'793	- 6'709	- 4	...	...	...	4'765	+ 4'235	- 5	M m	...	...	9'994	-49'051	- 5	...	...
*	0'682	+13'629	1'05	43.8349	9·8	...	4'795	-52'713	- 2	...	...	†	10'241	- 7'834	1'10	44.8860	9·6
...	0'681	-34'516	- 5	...	...	...	4'834	- 4'099	- 4	...	...	†	10'268	-31'925	- 2	...	...
...	0'519	-47'679	0'65	...	...	...	5'123	+54'404	- 3	M	...	†	10'383	+41'640	0'80	...	...
...	- 0'435	+53'541	- 3	...	...	*	+ 5'135	+ 8'437	1'20	43.8355	9·6	†	+10'392	+59'411	- 1	...	...
...	0'400	+14'940	- 5	m	...	...	5'192	+ 7'187	- 5	M m	...	...	10'581	+56'091	- 5	m	...
...	0'390	-55'753	- 3	...	...	...	5'242	+58'600	- 1	...	...	...	10'644	+45'769	- 5	m	...
...	- 0'272	+ 8'108	- 3	...	...	†	5'271	-25'708	- 4	...	...	...	10'672	-50'498	- 4	...	...
†	+ 0'230	-52'267	- 2	...	...	...	5'321	-51'276	- 4	...	...	...	10'761	- 5'705	- 3	...	...

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
721-780						781-840						841-900					
721	+10.885	-55.361	-5	...	...	781	+15.584	+57.205	-5	...	...	841	+20.576	-50.135	-2	...	...
...	11.010	-38.722	-2	...	...	...	15.822	-49.021	-3	...	...	...	20.618	-49.394	-2	...	...
...	11.030	-34.576	-3	...	...	...	15.866	+40.460	-3	...	...	...	20.700	-0.976	-5	...	...
...	11.122	+52.748	-5	...	...	...	15.880	-38.958	-5	...	...	...	20.720	-55.173	-4	...	...
...	11.194	-13.030	-5	...	...	*	16.034	-20.783	1.35	44.8862	9.3	...	20.751	-52.587	0.80	...	...
...	+11.314	-21.388	-4	...	...	*	+16.129	+16.856	0.95	43.8359	10.1	*	+20.865	+57.565	1.00	43.8364	10.1
N	11.351	-5.991	-3	...	...	...	16.137	+28.335	-2	...	...	...	21.070	+20.990	-4	...	...
N	11.394	-6.026	-4	...	...	...	16.145	+58.506	-2	...	...	...	21.542	+38.694	0.85	...	...
...	11.610	-14.963	-3	...	...	...	16.204	+32.048	-4	...	...	...	21.663	+45.495	0.75	...	...
...	11.701	+45.474	0.65	...	...	...	16.270	+52.401	-5	...	...	...	21.719	+35.123	-3	...	...
731	+11.791	+12.208	-5	...	...	791	+16.312	+5.857	-4	...	...	851	+21.834	+44.539	-4	...	...
...	11.861	+42.182	-3	...	...	...	16.546	-59.610	-5	...	...	...	21.853	+1.935	-5	m	...
...	11.869	-56.914	-1	...	...	...	16.578	-10.088	-4	...	...	...	21.869	+33.357	-2	...	...
*	11.882	-57.733	1.80	44.8861	8.5	...	16.604	+27.116	0.65	...	...	...	21.894	-53.604	-4	...	...
...	11.961	-11.905	-4	...	...	*	16.651	-4.427	1.15	44.8863	9.6	*	21.980	+26.522	1.00	43.8365	9.8
...	+12.004	+28.808	0.70	...	...	...	+16.697	+47.978	-5	m	...	...	+22.128	-35.780	-5	...	...
...	12.037	-24.196	-4	...	...	...	16.768	+6.154	0.85	43.8360	10.0	...	22.427	-4.993	0.75	...	...
...	12.126	+43.126	-5	m	...	...	16.786	-27.187	-3	...	...	...	22.489	+41.924	-5	m	...
...	12.146	-2.434	-1	...	...	...	16.811	+21.032	-5	m	...	...	22.542	+53.741	-5	m	...
...	12.171	+18.500	-4	...	...	...	16.823	-30.785	-5	...	...	...	22.646	-34.965	-5	...	...
741	+12.223	+28.478	0.70	...	...	801	+17.019	+56.631	-5	m	...	861	+22.714	+57.558	-4	...	...
...	12.263	+58.874	-4	...	...	...	17.079	-38.633	-4	...	...	...	22.756	-42.394	-2	...	...
...	12.341	+46.960	-4	...	...	...	17.094	-3.539	-5	...	...	...	23.058	-57.464	-5	m	...
...	12.370	+41.226	-4	...	...	...	17.102	+53.806	-3	...	...	...	23.121	+45.662	-5	m	...
...	12.736	-56.248	-4	...	...	...	17.505	-26.239	-3	...	...	...	23.142	+42.484	-4	...	...
...	+12.845	-46.660	-5	...	...	...	+17.509	-28.253	-5	...	...	...	+23.142	-55.894	-3	...	...
...	12.872	-24.628	-4	...	...	...	17.638	+45.750	-5	...	...	...	23.216	+54.765	-4	...	...
...	12.917	+25.053	-5	m	...	...	17.672	-32.476	-5	...	...	...	23.247	+28.716	-3	...	...
...	13.111	+46.840	-5	m	...	...	17.772	-35.581	-3	...	...	...	23.285	+37.089	0.85	...	...
...	13.113	-14.210	-4	...	...	...	17.910	-52.183	-5	...	...	...	23.332	+6.272	-5	m	...
751	+13.124	+6.184	-4	...	...	811	+18.140	-3.889	-5	...	...	871	+23.462	+41.850	-2	...	...
...	13.148	-53.378	0.75	...	...	...	18.182	-14.280	-4	...	...	...	23.463	-29.656	-4	...	...
...	13.246	+55.610	-5	...	...	...	18.185	-15.031	-4	...	...	...	23.627	-4.083	-2	...	...
...	13.310	-49.601	-4	...	...	*	18.187	+51.078	1.05	43.8361	9.8	...	23.653	+56.245	-4	...	...
*	13.372	+7.627	1.00	43.8356	9.6	...	18.343	+18.362	-5	m	...	...	23.831	+11.995	0.65	...	...
...	+13.378	+30.837	-5	m	...	...	+18.376	-52.984	-4	...	...	...	+23.849	-56.926	-5	...	...
...	13.683	+35.347	-1	...	...	...	18.447	-24.880	-5	...	...	...	23.900	+5.972	-5	...	...
...	13.707	-44.510	-3	...	...	...	18.455	+26.106	-5	...	...	...	23.902	+47.957	-4	...	...
...	13.873	+43.702	-4	...	...	...	18.456	+43.911	-3	...	...	...	23.967	+13.812	-4	m	...
...	13.932	+4.870	-2	...	...	...	18.529	-10.936	-4	...	...	...	24.129	-23.787	-5	m	...
761	+13.969	-0.691	-3	...	...	821	+18.534	-38.957	-5	...	...	881	+24.185	+15.886	0.85	...	...
...	13.985	-48.909	-4	...	...	...	18.550	-1.888	-4	...	...	...	24.213	-9.755	-4	...	...
...	14.238	+11.064	-4	...	...	*	18.737	-31.254	2.20	44.8864	8.6	...	24.333	+52.936	-3	...	...
...	14.512	-44.332	-1	...	...	...	18.785	+44.780	-2	...	...	S*	24.414	+16.926	2.10	43.8367	8.4
...	14.543	+9.683	-4	m	...	...	18.954	-51.827	-3	...	...	...	24.570	+50.482	-2	...	...
...	+14.653	-43.688	-4	...	...	...	+18.956	+40.440	-4	...	...	*	+24.917	+49.484	0.90	...	...
...	14.709	+56.564	-4	...	...	...	19.062	+40.878	-5	...	...	...	24.948	-24.743	-2	...	...
...	14.817	-39.779	-2	...	...	*	19.072	+4.334	1.00	43.8362	10.1	...	24.957	+58.351	-5	m	...
...	14.889	+31.578	-4	...	...	...	19.093	+19.403	-3	...	...	...	25.001	-58.435	-3	...	...
...	14.941	+44.763	0.95	43.8357	10.1	...	19.168	-24.282	-4	...	...	...	25.077	-19.297	-4	...	...
771	+14.988	+36.916	-1	...	...	831	+19.426	-39.845	-3	...	...	891	+25.084	+46.791	-4	...	...
*	15.025	+11.420	1.30	43.8358	9.4	...	19.913	+16.616	-5	...	...	...	25.101	+8.671	-4	...	...
...	15.028	+50.345	-5	m	...	...	19.928	-34.429	-5	...	...	...	25.135	-25.942	-5	...	...
...	15.090	-37.066	0.80	...	...	...	19.973	-15.577	0.70	...	...	...	25.327	+32.754	-5	...	...
...	15.160	-33.965	-5	...	...	...	20.123	+10.605	-2	...	...	...	25.526	+26.713	-5	...	...
...	+15.162	-37.734	-4	...	...	*	+20.189	+48.583	1.00	43.8363	10.0	...	25.600	+27.842	-5	...	...
...	15.200	+52.411	-4	...	...	...	20.277	-36.348	1.00	44.8865	9.8	...	25.647	+48.759	-5	m	...
...	15.321	-26.033	-5	...	...	...	20.492	+14.931	-4	...	...	...	25.811	-53.860	-5	...	...
...	15.455	+56.054	-4	...	...	...	20.498	+49.148	-4	...	...	...	26.010	-18.893	-3	...	...
...	15.563	-38.214	-5	...	...	...	20.532	+56.738	0.75	...	...	...	26.026	+50.034	-4	...	...

727, 728. 45° 108, no sign of duplicity.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.								
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.							
901-960						961-1020						1021-1080												
901	...	+26°038	+11°096	-5	m	...	961	...	+29°670	-47°421	-4	...	1021	...	+33°660	-55°806	-3	...	...			
...	...	26°123	+15°312	-2	...	...	...	...	29°677	+4°164	-3	...	...	...	33°677	-29°955	1°10	44.8873	9.6			
...	...	26°163	-44°886	-4	...	...	...	...	29°837	+7°910	-4	...	...	...	33°776	+0°569	-4	...	...			
...	...	26°260	-47°421	-4	...	...	...	...	29°858	+43°765	0.65	...	...	...	33°780	+45°031	-4	...	...			
...	...	26°270	+22°804	0.80	...	...	...	...	29°945	-49°342	-1	...	...	...	33°823	+54°084	-4	...	...			
...	...	+26°384	+26°857	-5	...	...	...	...	+30°040	+4°315	1.10	43.8375	9.5	...	†	+33°834	+49°650	-4	...	...		
...	...	26°393	+54°759	0.65	...	...	...	...	30°112	-10°880	-2	...	...	...	...	33°837	+6°940	-5	m	...		
...	...	26°454	-33°375	-4	...	...	...	...	30°112	-20°522	-5	...	...	...	...	33°920	-54°281	-4	...	...		
...	...	26°459	+9°691	-4	...	...	...	...	†	30°177	-23°074	-5	...	...	...	33°954	-41°624	-4	...	...		
...	...	* 26°480	+26°033	0.90	43.8368	10.1	...	...	...	30°193	+9°309	-1	...	...	...	34°027	+31°802	-4	...	...		
911	...	+26°567	+26°470	-4	...	...	971	...	+30°266	-10°031	-2	...	...	1031	...	+34°239	-52°360	0.90	44.8874	10.1		
...	...	26°598	+21°372	-5	m	...	...	...	30°304	-23°323	1.00	44.8870	9.6	...	...	34°263	-9°427	-4	...	...		
...	...	26°612	+31°005	-5	...	...	...	...	* 30°347	+43°687	1.00	43.8376	9.6	...	...	†	34°336	-55°081	-5	...	...	
...	...	26°649	+2°612	-2	...	...	...	...	...	30°394	+8°212	-4	m	...	...	* 34°499	+13°076	1.20	43.8381	9.5		
...	...	* 26°779	-22°290	1.00	44.8866	9.8	...	...	...	30°408	+54°889	-5	...	...	...	...	34°660	+56°681	-4	...	...	
...	...	* +26°898	+16°310	0.90	43.8369	10.1	...	...	...	+30°461	+27°434	-5	m	...	...	...	+34°768	-2°989	-5	...	...	
...	...	26°903	+8°411	-5	...	...	...	...	...	30°566	-42°916	-3	...	...	...	...	34°772	-21°551	-3	...	...	
...	...	27°076	+3°499	-4	...	...	...	...	...	30°636	+24°077	-2	...	...	...	...	34°791	-28°171	0.70	...	...	
...	...	27°092	+46°835	-5	m	...	...	...	...	30°861	-56°801	-5	...	...	...	...	34°817	-48°681	-4	...	...	
...	...	27°097	-33°355	-3	...	...	...	...	...	30°878	+46°407	-3	...	...	...	...	34°965	-21°761	-5	...	...	
921	...	+27°315	+24°332	1.00	43.8370	9.6	981	...	+30°880	-55°958	-5	...	...	1041	...	+34°968	-47°139	-3	...	...		
...	...	27°344	-8°560	-5	...	...	...	...	30°984	+22°817	-3	...	...	...	...	35°129	-37°172	-3	...	...		
...	...	27°389	+19°664	-5	...	...	...	...	31°006	-32°321	-4	...	...	...	...	†	35°290	+32°595	-3	...	...	
...	...	27°418	+46°609	-1	...	...	...	...	...	31°078	-34°743	-4	...	...	...	...	35°378	-37°798	0.85	44.8875	10.1	
...	...	27°426	+32°844	-5	...	...	...	...	...	31°099	+32°971	-2	...	...	...	...	...	35°443	+9°019	-5	...	...
...	...	+27°434	-1°523	-5	...	...	...	...	...	+31°159	+5°762	-3	...	...	...	...	...	+35°465	-36°090	-2	...	...
...	...	27°464	-57°149	-3	...	...	...	...	...	31°230	-47°395	-3	...	...	...	...	...	35°526	-33°848	-5	...	...
...	...	27°594	+44°593	-3	...	...	...	...	...	31°297	-51°616	-5	m	...	...	...	...	35°541	-46°186	-5	...	...
...	...	* 27°626	-49°441	0.85	44.8867	10.0	...	...	...	31°316	+46°774	-2	...	...	...	...	...	* 35°668	-22°594	1.00	44.8876	9.8
...	...	27°862	+26°745	-3	...	...	...	...	...	31°322	+28°074	-4	...	...	...	...	...	35°858	+42°877	0.70	...	...
931	...	+27°940	-15°576	-2	...	...	991	...	+31°357	-36°686	0.80	...	...	1051	...	+36°010	+25°912	-5	m	...		
...	...	* 28°304	-52°523	1.05	44.8868	9.8	...	...	...	31°375	+56°395	-5	...	...	...	...	36°159	+28°979	-4	...	...	
...	...	28°323	+13°958	-5	...	...	...	...	...	31°421	+26°506	-3	...	...	...	...	...	* 36°317	+33°323	1.05	43.8382	10.0
...	...	28°362	+15°596	-5	...	...	...	...	...	31°433	+49°402	-5	...	...	...	...	...	36°459	+58°575	-5	...	...
...	...	28°386	+53°108	-3	...	...	...	...	...	31°488	-45°511	-4	...	...	...	...	...	36°503	+26°485	-5	...	...
...	...	+28°393	+45°580	-5	m	...	...	...	...	+31°583	-7°238	-5	...	...	...	...	...	+36°505	-0°926	-5	...	...
...	...	28°395	-53°627	-5	...	...	...	...	...	* 31°595	+46°447	0.95	43.8377	10.0	...	...	...	36°554	+50°630	-5	...	...
...	...	28°473	+13°759	-5	m	...	...	...	...	31°601	+45°110	-4	m	...	...	...	...	36°581	-5°811	-4	...	...
...	...	28°536	+3°141	-4	...	...	...	...	...	31°841	-40°227	-4	...	...	...	...	...	36°613	-30°627	-5	...	...
...	...	28°639	-12°190	-4	...	...	...	...	...	31°853	+35°529	-1	...	...	...	...	...	36°760	+14°093	-5	m	...
941	...	+28°642	+30°262	0.65	...	...	1001	...	+31°855	+32°125	1.00	43.8378	10.0	1061	...	†	+36°819	-0°215	-5	...	...	
...	...	28°735	+57°657	-1	...	...	...	...	...	31°899	+40°518	-5	...	...	...	...	...	36°893	+25°064	-4	...	...
...	...	28°835	+4°941	-2	...	...	...	...	...	†	31°902	-45°085	-4	...	...	...	...	37°025	-41°458	-5	...	...
...	...	28°844	-0°367	-5	...	...	...	...	...	...	32°027	+53°417	-5	...	...	...	...	37°039	+23°957	-4	...	...
...	...	N 28°849	+22°299	-5	m	...	...	...	...	...	32°197	+44°212	-5	m	...	...	...	37°073	+44°855	-5	m	...
...	...	* +28°890	+51°688	1.05	43.8371	9.8	...	...	...	...	+32°443	+53°980	-3	...	...	...	...	+37°151	+35°791	0.80	...	...
...	...	* 28°891	+22°796	1.15	43.8373	9.5	...	...	...	...	32°512	-21°522	-5	...	...	...	...	* 37°180	+30°788	1.25	43.8383	9.5
...	...	* 28°946	+54°174	1.10	43.8372	9.6	...	...	...	...	32°666	+38°028	-2	...	...	...	...	37°245	-5°363	-4	...	...
...	...	* 29°002	-57°099	1.20	44.8869	9.8	* 32°767	+19°322	1.10	43.8379	9.6	37°363	+50°570	-5	
...	...	29°025	+37°437	-4	32°782	-1°020	-4	†	37°409	+44°720	-3	
951	...	+29°056	-14°202	-1	1011	...	+35°927	+35°780	0.90	43.8380	10.1	1071	+37°425	-54°191	-5	m	...
...	...	29°238	+16°958	-5	33°034	-42°840	0.80	44.8871	10.1	37°836	+32°652	-5
...	...	29°267	+39°883	-4	33°055	-58°342	-1	37°875	-4°790	-2
...	...	* 29°291	+12°105	1.30	43.8374	9.4	33°095	+8°431	-5	m	37°918	+12°042	-2
...	...	29°330	-40°585	-5	* 33°100	-47°374	1.00	44.8872	10.0	38°200	+7°429	0.85
...	...	+29°332	+51°524	-5	+33°169	+44°280	-1	+38°289	+4°760	-2
...	...	29°438	+2°415	-3	33°280	+33°235	0.65	38°299	-16°536	0.65
...	...	29°488	-12°800	-5	33°292	-44°472	-3	38°362	+17°601	-5
...	...	29°521	-26°718	0.70	33°423	+21°338	-3	38°715	+10°470	-5	m	...
...	...	29°526	-45°518	-5	33°576	+46°563	0.75	38°751	-26°366	-4

945. Partly obscured by 2nd image of 947.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1081-1140						1141-1200						1201-1260					
1081	+38·761	+21·997	-4	...	...	1141	+43·144	+11·724	-3	...	...	1201	+47·639	-9·570	-3	...	...
...	38·778	+29·900	-5	...	...	...	43·309	+30·891	0·85	...	...	...	47·683	-28·250	-5	...	...
...	38·898	-1·450	-5	...	...	...	43·591	+33·195	-2	...	...	*	47·708	+35·949	0·95	43·8387	10·1
...	39·099	+51·761	-5	...	...	...	43·750	-5·120	0·65	...	...	...	47·869	+48·461	-5	...	...
*	39·146	-1·648	0·95	44·8877	10·0	...	43·974	+3·449	-5	m	...	...	47·904	+9·303	-5	m	...
...	+39·217	+14·312	-5	...	...	...	+44·068	-32·123	-3	...	...	*	+47·990	-18·850	0·95	44·8886	10·0
...	39·317	-8·048	-2	...	...	...	44·149	-14·837	-5	...	...	...	48·022	+18·291	-4	...	...
...	39·338	-17·191	-5	...	...	...	44·179	+25·999	-1	...	...	...	48·064	+31·475	-5	m	...
...	39·339	-32·543	-3	...	...	...	44·208	-19·995	-3	...	...	...	48·164	+27·487	-5	m	...
...	39·393	+4·002	-5	m	...	...	44·418	-44·074	0·65	...	...	...	48·338	+10·616	-5	m	...
1091	+39·442	+58·406	0·80	...	...	1151	+44·483	+46·930	-5	...	...	1211	+48·420	+37·270	-5	m	...
...	39·562	-56·011	0·65	...	...	...	44·509	-42·499	-1	...	...	...	48·431	+9·146	0·90	43·8388	10·1
...	39·577	-12·556	-5	...	...	...	44·510	-35·255	-1	...	...	...	48·491	+29·662	-3	...	...
...	39·584	-30·285	-4	...	...	*	44·627	-33·353	1·00	44·8882	9·4	...	48·530	-17·992	-4	...	...
...	39·608	-39·549	-4	...	...	...	44·703	+5·961	-2	...	...	...	48·567	-30·731	-5	...	...
...	+39·667	+53·311	-3	...	...	...	+44·732	-0·639	0·80	44·8880	10·1	...	+48·657	+25·702	-5	m	...
...	39·716	-49·336	-4	...	...	...	44·761	+6·133	-3	...	...	*	48·746	+36·727	1·25	43·8389	9·6
...	39·814	+5·934	-5	m	...	...	44·822	-12·202	1·00	44·8881	9·8	...	48·798	-12·747	-3	...	...
...	39·844	+26·161	-4	...	...	...	44·863	-6·537	-5	...	...	...	48·896	-22·852	0·70	...	...
...	39·856	-35·539	-2	...	...	*	44·900	-34·032	1·00	44·8883	9·6	...	48·965	-11·347	-5	...	...
1101	+40·051	+27·676	-4	...	...	1161	+44·984	+52·654	-4	...	...	1221	+49·181	-32·197	-4	...	...
...	40·064	-12·535	-5	...	...	...	44·997	-47·086	-3	...	...	...	49·252	-44·768	0·70	...	...
...	40·110	-44·370	-5	...	...	...	45·062	+44·746	-4	...	...	*	49·552	+58·657	1·25	43·8390	10·0
†	40·200	-48·264	0·90	44·8878	10·1	...	45·080	+26·135	-4	...	...	*	49·613	+50·741	1·50	43·8391	9·3
...	40·296	-49·880	-3	...	...	...	45·130	+58·149	-5	...	...	...	49·646	+24·214	-4	e	...
...	+40·307	-4·151	-5	...	...	...	+45·140	+37·892	-4	m	...	...	+49·693	+21·454	-4	...	...
...	40·328	-3·232	-4	...	...	...	45·262	-57·636	0·70	...	...	*	49·714	-13·156	1·00	44·8887	10·1
...	40·439	-41·823	-5	m	...	...	45·298	-42·967	-5	...	...	...	49·810	+1·887	-5	m	...
...	40·535	+45·765	-5	m	...	...	45·488	+15·608	-5	m	...	...	49·906	-50·762	-4	...	...
...	40·604	+45·636	-4	m	...	*	45·493	+58·578	1·20	43·8385	9·8	...	49·923	+1·944	-5	e	...
1111	+40·845	+42·755	-4	...	...	1171	+45·623	-38·562	-4	...	...	1231	+50·033	+38·087	-5	m	...
...	40·846	-22·699	-5	...	...	...	45·657	+22·225	0·70	...	...	...	50·106	+30·493	-3	...	...
...	40·920	-1·175	-4	...	...	*	45·728	-13·663	0·90	44·8884	10·1	...	50·266	-33·500	-3	...	...
...	40·969	+3·878	-5	...	...	...	45·841	+32·624	-1	...	...	*	50·285	-17·556	1·50	44·8888	9·0
...	40·983	+6·820	-5	m	...	...	45·843	-14·519	0·80	44·8885	10·1	...	50·376	+16·918	-4	...	...
...	+41·001	+16·685	-5	...	...	...	+45·897	-12·354	-5	...	...	...	+50·612	+45·507	0·75	...	...
...	41·002	-11·421	-3	...	...	...	45·958	+32·750	-4	...	...	...	50·618	+12·918	-5	e	...
...	41·105	+43·177	-4	...	...	...	46·055	-34·536	-3	...	...	...	50·791	-40·176	-5	e	...
...	41·244	+12·407	-4	...	...	...	46·059	+3·843	-4	m	...	...	50·815	-30·350	-5	...	...
...	41·329	+20·987	-5	...	...	...	46·086	-43·335	-5	m	...	...	50·849	-15·237	-4	...	...
1121	+41·650	-49·247	-3	...	...	1181	+46·125	+33·452	-5	...	...	1241	+50·949	+11·320	-4	e	...
...	41·739	+39·139	-2	...	...	...	46·206	+41·343	-2	...	...	...	51·014	-54·923	0·85	...	...
...	41·798	+55·213	-3	...	...	...	46·250	-52·031	-4	...	...	...	51·027	-55·598	-3	...	...
...	41·819	+10·463	-5	m	...	...	46·328	-32·678	-3	...	...	...	51·060	-7·110	-3	...	...
...	41·868	-15·417	-5	...	...	*	46·389	+39·202	1·35	43·8386	9·3	...	51·116	-49·339	-5	...	...
...	+41·882	+1·693	0·70	43·8384	10·1	...	+46·402	-21·072	-2	...	...	...	+51·126	-35·592	-1	...	...
...	41·985	+33·135	-4	b	...	...	46·443	-25·049	-4	...	...	...	51·286	+8·279	-5	m	...
...	42·091	-21·791	-4	...	...	...	46·501	+7·211	-5	...	...	...	51·291	-20·792	-4	m	...
...	42·100	+32·967	-4	...	...	...	46·670	+25·574	-3	...	...	...	51·381	-3·945	-5	m	...
...	42·122	+10·432	-5	m	...	...	46·700	+39·033	-4	...	...	...	51·413	-40·646	-1	...	...
1131	+42·213	+5·043	0·65	...	...	1191	+46·733	-37·029	-5	...	...	1251	* +51·473	-26·604	1·70	44·8889	8·9
...	42·230	-12·650	-5	m	...	...	46·813	+32·560	-3	...	...	†	51·543	-35·086	-3	...	...
...	42·361	+20·465	-4	...	...	...	46·919	-58·401	-5	...	...	...	51·549	+33·554	-4	...	...
...	42·368	+23·178	0·80	...	...	...	46·955	-37·284	-5	...	...	*	51·783	+11·937	0·80	...	...
...	42·516	+26·856	-4	...	...	...	46·966	-43·716	-2	...	...	...	51·800	+11·241	-5	e	...
...	+42·563	-10·339	-4	...	...	...	+47·055	+5·360	0·80	...	...	...	+51·809	-45·971	-5	...	...
*	42·661	-35·895	1·00	44·8879	10·0	...	47·183	-56·363	0·65	...	...	*	51·909	-14·221	1·15	44·8890	9·4
...	42·709	-41·072	-5	...	...	...	47·269	-42·427	-5	...	...	...	52·038	-1·079	-5	...	...
...	42·754	+1·302	0·70	...	...	...	47·301	-42·381	-1	...	...	...	52·154	-18·433	0·65	...	...
...	42·765	-10·557	-4	...	...	...	47·456	-44·637	-5	m	...	...	52·187	-19·596	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1261-1300						1301-1340						1341-1368						
1261	+52'220	+36'462	-5	...	...	1301	+55'483	-7'115	-5	...	...	1341	+58'140	-54'268	-4	...	...
...	52'294	+8'708	-3	...	...	...	55'573	+31'949	0.90	...	...	...	58'145	-20'861	-5	...	...
...	52'333	+58'415	-4	...	...	...	55'580	+33'926	-5	<i>m</i>	...	...	58'294	-7'693	0.65	...	...
...	52'349	+29'205	-5	<i>m</i>	...	...	55'631	+30'973	-5	<i>m</i>	...	†	58'334	+34'673	-5	...	...
...	52'368	-56'703	-4	...	...	...	55'631	+14'198	-3	...	...	...	58'444	+2'714	-5	<i>m</i>	...
...	+52'414	-22'518	-5	<i>m</i>	...	...	+55'692	+10'496	-2	...	...	...	+58'503	-5'032	-5	...	...
...	52'524	+32'765	-2	...	...	...	55'756	+37'262	-5	<i>m</i>	...	...	58'650	-37'778	-5	...	...
*	52'602	-11'330	1.00	44.8891	9.6	S*	55'808	-33'192	1.90	44.8894	8.5	58'664	-35'469	-2
...	52'683	-26'552	-5	<i>m</i>	55'854	+5'186	-4	58'826	-34'735	-5
...	52'832	+29'063	-3	55'948	-10'081	-5	58'885	+5'013	-4
1271	+52'876	-1'700	-3	...	...	1311	+56'076	-40'179	0.80	...	...	1351	+58'906	-24'761	0.95	44.8897	10.0
...	52'899	+31'130	-4	...	...	...	56'160	+24'026	-5	...	...	...	58'994	+50'906	-4	...	...
...	52'921	+33'308	-4	<i>e</i>	...	...	56'510	-39'878	-3	...	...	...	59'196	+20'073	-5	<i>e</i>	...
...	53'033	+10'139	-2	...	...	*	56'540	-36'796	1.00	44.8895	10.0	N	59'262	-22'008	0.65	...	...
...	53'036	+59'167	-4	...	...	...	56'703	+8'288	-5	<i>m</i>	...	*	59'277	-21'524	0.95	...	...
...	+53'085	-34'360	-4	...	...	†	+56'804	-20'179	0.75	...	...	...	+59'281	-23'805	0.75	...	...
...	53'246	+58'917	-5	...	...	...	56'841	+41'968	-5	<i>m</i>	...	...	59'459	-22'985	0.65	...	...
...	53'286	-28'200	-4	...	...	...	56'859	-22'480	-2	...	...	...	59'465	-19'434	-5	...	...
...	53'320	+7'833	-5	<i>e</i>	...	...	56'873	+14'824	-5	...	...	...	59'484	-4'909	-1	...	...
...	53'347	-47'628	-5	...	...	...	56'877	-38'581	-5	...	...	...	59'638	-11'986	0.80	...	...
1281	+53'613	-52'824	-4	...	...	1321	+56'925	+52'412	1.40	43.8392	9.8	1361	+59'998	-40'831	-5	<i>m</i>	...
*	53'896	-42'305	1.00	44.8892	9.6	*	56'969	+38'772	1.30	43.8393	9.8	...	60'005	+16'970	-5	...	...
...	53'918	-10'508	0.65	...	...	...	57'075	+58'072	-5	...	...	...	60'033	-17'401	-5	...	...
...	53'981	+44'204	-5	...	...	...	57'082	+27'857	-5	...	...	...	60'047	+15'286	-5	<i>m</i>	...
...	54'202	+3'160	0.65	...	...	...	57'093	-29'819	-2	...	...	†	60'125	+34'868	-5	...	...
...	+54'251	-15'885	-4	...	...	...	+57'118	-38'561	-4	...	...	†	+60'144	+36'556	-5	...	...
...	54'288	+11'511	-2	...	...	...	57'216	+15'279	-5	...	...	†	60'162	+17'870	1.20	43.8395	9.6
...	54'433	+5'992	-4	...	...	*	57'275	-49'853	1.60	44.8896	9.4	†	60'168	+27'522	-5	<i>m</i>	...
...	54'500	+22'238	-4	...	...	...	57'281	+28'476	-4	...	...	†	...	...	...	...	...
†	54'625	+4'789	0.65	...	...	...	57'358	-28'690	0.75	...	...	...	...	...	...	...	...
1291	+54'745	+13'602	-3	...	...	1331	+57'444	+17'987	-4	...	...	...	...	...	...	...	...
...	54'795	-36'650	-3	...	...	...	57'449	-39'569	-4	...	...	...	...	...	...	...	...
...	54'852	-44'902	-5	...	...	...	57'455	+17'687	-4	<i>e</i>	...	...	...	...	...	...	...
...	54'960	-31'195	-2	...	...	...	57'576	-31'493	0.85	...	...	...	...	...	...	...	...
...	54'982	+3'569	-3	...	...	...	57'705	+13'932	-4	<i>e</i>	...	...	...	...	...	...	...
...	+55'021	-50'565	-3	...	...	...	+57'759	+1'871	-4	...	...	...	...	...	...	...	...
*	55'032	-10'306	0.90	44.8893	10.1	...	57'777	-14'284	-4	...	...	...	...	...	...	...	...
...	55'051	+40'250	-3	...	...	...	57'904	-3'886	-5	...	...	...	...	...	...	...	...
†	55'070	-52'690	-3	...	...	...	58'075	+12'850	-3	...	...	...	...	...	...	...	...
...	55'456	-3'782	-4	...	...	...	58'077	+40'360	0.80	...	...	...	...	...	...	...	...

1354. Partly obscured by 2nd image of 1355.

1-10						11-20						21-30					
I	†	-59'634	-43'893	-4	...	11	...	-58'435	-30'874	-5	...	21	...	-57'311	-44'871	-2	...
...	...	59'368	-19'022	0.90	44.8886	10.0	...	58'339	-22'987	-1	...	...	...	57'310	+11'227	-5	E
...	...	59'335	-42'568	-3	...	...	...	58'076	+1'815	-5	E	...	...	57'251	+10'461	-5	M
...	...	59'034	+24'069	-4	E	...	...	58'055	+16'807	-4	...	...	...	57'173	-19'641	-5	...
...	...	59'026	-56'534	-3	...	...	...	57'863	+5'158	-5	M	*	...	57'096	-17'655	1.50	44.8888
...	...	-58'890	+21'302	-4	...	...	...	-57'821	-13'278	0.90	44.8887	10.1	...	-56'808	+36'398	-5	...
...	...	58'844	-18'152	-5	...	...	...	57'759	-32'317	-5	...	...	...	56'692	+59'098	-5	...
...	...	58'763	+30'350	-4	...	...	...	57'682	+12'819	-5	E	...	...	56'653	-7'183	-3	...
...	...	58'754	-12'890	-4	...	...	...	57'621	-4'319	-5	...	...	...	56'626	-33'583	-4	...
...	...	58'698	+45'374	-1	...	...	...	57'397	+33'467	-5	...	...	...	56'616	-15'304	-5	...

MC measured from 1, 106, 235, 369, 486, 584, 703, 814, 920, 1007, 1108, 1212.
ES ,, ,, 55, 180, 304, 424, 535, 639, 760, 882, 970, 1057, 1160, 1260.

Images diffused; focus altered 1905·47.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-56·506	+11·874	-1	...	...	91	-51·012	+17·789	-5	° E	...	151	-46·684	+4·831	-2	°	...
...	56·473	-50·845	-4	...	...	...	50·657	+34·802	-5	...	...	...	46·553	+7·175	-5	M	...
...	56·457	+11·192	-5	E	...	...	50·646	+14·039	-5	E	...	...	46·451	+7·488	-5	M	...
...	56·405	+32·702	-3	...	...	...	50·633	-40·088	0·75	...	...	...	46·349	+52·428	-1	...	...
...	56·010	+33·253	-5	E	...	...	50·516	-20·068	0·75	...	...	...	46·267	-19·767	-5	...	...
...	-56·002	-20·850	-5	...	...	...	-50·482	+51·044	-5	...	...	...	-46·140	-13·416	-5	...	...
...	55·977	+31·068	-5	...	...	...	50·396	-22·369	-1	...	...	...	46·002	-11·540	0·80	...	...
...	55·976	+29·013	-3	...	...	...	50·262	-36·675	1·05	44·8895	10·0	...	45·791	+50·654	-1	...	...
...	55·898	-40·231	-5	E	...	...	50·251	+1·981	-5	...	...	...	45·753	+38·704	-2	...	...
...	55·893	+8·653	-3	...	...	...	50·250	+12·967	-4	...	...	...	45·751	+4·014	-5	M	...
41	-55·854	-1·124	-5	...	...	101	-50·220	-39·756	-4	...	...	161	-45·639	+14·485	-4	...	...
...	55·702	-35·642	-3	...	...	...	49·938	-29·696	-1	...	...	...	45·633	-51·367	-5	...	...
*	55·636	-26·652	1·90	44·8889	8·9	...	49·903	-38·441	-5	...	...	S*	45·627	+32·040	2·60	43·8402	7·7
*	55·582	-14·266	1·20	44·8890	9·4	...	49·728	-14·144	-5	...	...	...	45·606	-0·921	-4	...	...
...	55·312	-35·125	-3	...	...	...	49·701	-28·553	0·85	...	...	...	45·604	-37·999	1·60	44·8898	9·3
...	-55·284	-40·688	-3	...	...	...	-49·635	-38·431	-5	...	...	...	-45·543	-0·674	0·70	...	...
†	55·255	-54·985	-2	...	...	...	49·423	-7·552	-1	...	...	*	45·502	+59·226	1·50	43·8403	9·3
...	55·218	+10·116	-4	...	...	...	49·408	-31·355	1·00	...	...	†	45·477	-0·095	-2	z	...
...	55·206	-18·472	-1	...	...	...	49·365	+20·206	-5	E	...	...	45·460	+31·846	-3	...	...
...	55·203	-55·644	-4	...	...	...	49·288	+47·743	-5	M	...	...	45·374	-7·552	0·90	...	...
51	-55·138	-19·636	-2	...	...	111	-49·286	-39·436	-5	...	...	171	-45·324	+20·389	-4	...	...
...	55·005	-1·730	-2	...	...	...	49·196	+5·159	-4	...	...	...	45·282	+0·470	0·90	43·8401	10·1
*	54·988	-11·362	1·30	44·8891	9·6	*	49·134	-49·711	1·30	44·8896	9·4	...	45·189	+33·365	0·75	...	...
...	54·848	+7·818	-5	E	...	...	48·893	+36·714	-5	...	...	...	45·157	+25·375	-5	...	...
...	54·104	+40·245	-4	...	...	...	48·878	+38·606	1·10	43·8394	9·8	...	44·993	+18·970	-3	...	...
...	-54·003	+11·512	-2	...	...	...	-48·877	+35·018	-5	...	...	...	-44·949	-28·160	-5	...	...
...	53·828	+3·163	0·65	...	...	...	48·673	+51·738	-2	...	...	...	44·930	+47·471	-4	...	...
...	53·823	-56·713	-4	...	...	...	48·520	+42·836	0·95	43·8396	10·1	...	44·860	+38·165	0·80	...	...
...	53·800	-34·364	-5	...	...	...	48·495	+56·002	0·95	43·8397	10·1	...	44·718	+20·090	-5	M	...
...	53·700	-10·501	0·70	...	...	...	48·450	+17·146	-5	...	...	†	44·628	-28·989	-4	...	...
61	-53·685	+5·996	-5	...	...	121	-48·372	+48·719	-2	...	...	181	-44·563	-14·473	-4	...	...
...	53·618	+13·610	-3	...	...	*	48·314	+18·039	1·20	43·8395	9·6	...	44·434	+5·554	0·65	...	...
...	53·451	+4·802	0·65	...	...	...	48·304	+19·701	-4	A	...	...	44·286	+31·697	-3	...	...
...	53·332	+31·988	1·00	...	...	...	48·301	-4·745	-3	...	...	...	44·286	-31·814	-4	...	...
...	53·208	-15·879	-5	...	...	...	48·265	-24·586	0·95	44·8897	10·0	...	44·099	-16·162	-3	...	...
...	-53·141	-47·613	-5	...	...	...	-48·265	-30·683	-5	M	...	...	-44·091	-17·282	-5	...	...
...	53·072	+3·599	-3	...	...	...	48·193	-35·285	-3	...	...	...	44·024	+26·568	-5	...	...
*	52·745	-42·279	1·25	44·8892	9·6	...	48·179	+24·122	-5	M	...	...	43·978	-9·396	-5	M	...
...	52·729	+14·252	-3	...	...	...	48·166	+52·008	0·80	43·8399	10·1	*	43·918	-31·991	1·05	44·8899	9·6
...	52·721	-52·811	-3	...	...	...	48·150	-37·582	-5	...	...	...	43·856	-2·567	-4	...	...
71	-52·624	+58·123	-5	...	...	131	-48·133	-54·089	-4	...	...	191	-43·852	+44·591	-5	M	...
...	52·587	-10·271	1·00	44·8893	10·1	...	48·067	-34·558	-5	...	...	...	43·657	-59·613	0·75	...	...
*	52·586	+52·478	1·35	43·8392	9·8	...	48·021	+45·243	-2	...	...	...	43·584	+48·395	-5	...	...
...	52·557	+10·553	-2	...	...	...	48·016	-21·833	0·70	...	...	...	43·427	+17·029	-1	...	...
...	52·515	+24·079	-5	...	...	...	47·997	-21·338	0·80	...	...	...	43·383	-18·377	0·65	...	...
...	-52·367	-3·731	-5	...	...	...	-47·974	+56·143	-5	...	...	...	-42·901	+51·933	-5	...	...
...	52·248	+5·243	-5	...	...	...	47·946	-11·811	0·90	...	...	...	42·762	-40·577	-5	...	...
*	52·140	+38·836	1·30	43·8393	9·8	...	47·929	-23·635	0·80	...	...	*	42·743	-41·782	1·05	44·8900	9·8
...	52·033	-31·146	0·65	...	...	...	47·806	+9·286	-3	...	...	...	42·670	-33·810	-4	...	...
...	52·020	-36·608	-4	...	...	...	47·788	-22·803	-2	...	...	...	42·670	-50·849	-1	...	...
81	-51·713	-44·850	-5	...	...	141	-47·769	+23·823	0·95	43·8398	10·0	201	-42·403	+58·156	-4	...	...
...	51·696	+27·959	-5	...	...	*	47·671	+39·151	0·95	43·8400	10·1	*	42·390	-49·841	1·05	44·8901	10·0
...	51·510	+28·572	-5	...	...	...	47·425	+9·103	-5	M	...	...	42·249	+57·836	-4	...	...
†	51·507	+14·921	-5	...	...	...	47·339	+42·678	-4	...	...	...	42·237	-21·926	0·65	...	...
...	51·372	-50·492	-4	...	...	...	47·334	+53·279	-4	...	...	...	42·235	-19·831	-5	...	...
...	-51·244	-52·630	-2	...	...	...	-47·295	+41·641	-2	...	...	...	-42·192	-50·244	0·75	...	...
...	51·180	+15·363	-5	...	...	...	47·074	+32·097	-5	M	...	...	42·060	-53·217	-3	...	...
S*	51·106	-33·102	2·00	44·8894	8·5	...	47·010	+4·089	-5	M	...	...	41·968	-49·956	-4	...	...
...	51·092	+40·467	1·00	...	...	...	46·707	+7·104	-5	M	...	...	41·955	-1·875	-5	...	...
...	51·049	+18·106	-3	...	...	...	46·707	-40·618	-5	M	...	*	41·921	-1·118	1·80	44·8902	8·8

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
211-270						271-330						331-390							
211	-41.844	+42.089	0.80	...	...	271	-36.641	-27.609	1.20	44.8906	9.4	331	-32.788	-47.969	-4	...	...
...	41.831	-15.469	-5	...	...	...	36.589	+4.108	-5	M	...	...	...	32.648	+5.592	-5	...	...
...	41.733	-1.300	-5	...	...	...	36.557	-30.914	-4	...	...	...	...	32.616	-35.101	-5	...	...
...	41.722	-54.332	0.85	...	...	...	36.483	-30.484	0.90	44.8907	10.0	...	...	32.529	-12.398	-5	...	...
...	41.714	-28.843	-5	...	...	...	36.470	+58.078	-4	...	...	...	...	32.498	+32.027	-5	...	...
...	-41.542	+11.980	-3	...	...	...	36.393	+34.795	-5	...	...	...	...	-32.435	-22.538	-4	...	...
...	41.513	+51.484	-1	...	...	...	36.348	-46.394	-4	...	...	...	...	32.428	-22.713	-5	...	...
...	41.442	-36.016	-3	...	...	...	36.345	+51.579	-5	...	...	...	...	32.374	+12.802	0.80	...	...
...	41.430	-44.845	0.70	...	...	...	36.342	-23.205	-4	...	...	...	...	32.367	+49.932	0.90	...	...
...	41.355	-30.925	-3	...	...	...	36.330	-32.382	-2	...	...	...	...	32.296	+21.859	-5	...	...
221	-41.302	+52.592	-5	...	...	281	-36.217	-42.464	-4	...	...	341	-32.258	+19.924	-5	...	...
...	41.137	+42.984	-3	...	...	...	36.115	+47.916	0.85	43.8407	10.0	...	...	32.221	+7.152	-2	...	...
...	40.794	-35.307	-5	...	...	...	35.972	+47.892	0.85	...	...	...	...	32.067	-49.978	-4	...	...
...	40.758	+15.856	-5	...	...	...	35.966	+27.544	-5	...	...	...	...	32.049	+41.971	-3	...	...
...	40.476	-22.223	-5	...	...	...	35.929	+53.371	-5	...	...	...	...	32.031	+33.539	-4	...	...
...	-40.336	+15.901	-4	...	...	...	-35.926	-22.942	-5	...	...	...	...	-32.017	-0.947	-3	...	...
...	40.273	+36.000	-4	...	...	...	35.915	-24.346	-4	...	...	...	...	31.990	+2.471	-3	...	...
...	40.196	+44.994	-3	...	...	...	35.892	-58.645	-5	...	...	...	...	31.706	+25.883	-5	...	...
...	40.004	-5.050	-4	...	...	...	35.886	+1.101	-2	...	...	...	...	31.678	+35.508	0.80	...	...
...	39.979	+43.416	-4	...	...	...	35.788	-44.465	-4	...	...	...	...	31.484	-29.795	-5	...	...
231	-39.911	-11.901	-4	...	...	291	-35.760	+58.454	-4	...	...	351	-31.247	+30.607	-5	...	...
...	39.874	-10.909	-5	...	...	...	35.632	-17.618	0.85	...	...	...	...	31.202	-21.980	0.75	...	...
...	39.830	-45.047	-3	...	...	...	35.412	+24.687	-4	...	...	...	...	31.106	+45.581	-4	...	...
...	39.702	+15.239	-5	...	...	...	35.051	+59.007	-5	...	...	...	...	31.026	+33.533	-4	...	...
...	* 39.524	-18.168	1.40	44.8903	9.4	...	35.035	+58.813	-4	...	...	...	...	30.908	+30.819	1.10	43.8413	10.0
...	...	-39.504	-20.508	-5	...	...	-35.017	-9.503	-4	...	...	...	...	* 30.903	-16.457	1.80	44.8910	9.2
...	...	39.492	+11.826	0.70	34.873	+30.648	0.80	30.779	-17.504	-5
...	...	39.358	-27.945	-3	34.870	+38.872	-4	30.769	-54.453	-5
...	...	39.183	+21.315	-5	M	...	34.859	-39.920	-2	30.764	-47.925	-5
...	* 39.136	-24.462	0.90	44.8904	10.1	...	34.777	-44.089	0.65	...	...	...	...	* 30.644	-17.716	1.00	44.8911	10.0
241	-39.068	+42.084	-5	...	...	301	-34.773	+3.011	1.00	43.8408	9.6	361	-30.621	+15.541	-5	M	...	
...	39.056	+45.354	-4	...	...	...	34.684	-25.623	-2	...	...	...	...	30.603	-25.237	-4	...	...
...	38.944	-30.597	-4	...	...	...	34.661	+36.784	-5	...	...	...	...	30.583	+31.809	0.90	43.8414	10.1
...	38.771	+16.373	-3	...	...	...	34.644	-59.493	1.20	44.8908	10.0	...	...	30.563	+53.898	-5	...	...
...	38.765	+48.093	-5	...	...	...	34.477	+8.984	1.10	43.8409	9.6	...	...	* 30.522	+54.144	1.80	43.8415	9.2
...	...	-38.692	-40.448	-5	...	...	...	-34.452	+26.798	-4	...	...	...	* 30.161	+39.233	1.20	43.8416	9.6
...	* 38.383	-28.826	1.00	44.8905	9.8	...	34.434	-42.079	-5	...	...	...	...	30.156	+33.719	-5	...	...
...	...	38.163	+37.369	-5	...	...	34.431	+11.305	0.90	...	...	...	...	30.079	-49.821	-5	...	...
...	...	38.083	+47.899	-5	34.355	-55.340	-3	29.979	-50.296	-5	M	...
...	...	37.759	+37.502	-5	34.279	-45.229	0.65	29.721	-14.373	-5
251	-37.758	-42.168	-4	...	...	311	-34.067	+23.495	-5	M	...	371	-29.229	+37.726	0.65	...	...
...	37.685	-14.371	-3	...	...	...	33.974	+38.154	1.35	43.8410	9.5	...	...	29.223	-55.807	-4	...	...
...	37.653	-18.705	-4	...	...	...	33.912	+4.489	-5	...	...	...	...	29.081	+47.058	-3	...	...
...	37.651	+10.946	0.85	...	...	...	* 33.903	+35.888	0.95	43.8411	10.1	...	...	29.043	-18.660	-5	...	...
...	37.640	+7.890	-5	M	...	...	33.657	-4.976	-5	...	...	...	...	29.001	+34.151	-3	...	...
...	-37.579	+16.685	-5	M	-33.595	+51.076	0.65	-28.965	+0.986	0.90	43.8417	10.1
...	* 37.379	-14.035	-1	...	...	...	33.552	+21.766	1.05	43.8412	9.8	...	...	* 28.891	+33.937	1.00	43.8418	10.0
...	...	37.208	+12.919	1.00	43.8404	10.0	...	33.427	+7.121	0.85	28.846	+46.516	-4
...	...	37.200	+15.013	-5	33.415	+45.679	-4	28.824	+20.851	-3
...	...	37.122	+21.640	-3	33.336	-34.275	-5	28.633	+16.464	-5
261	-37.097	-31.316	-2	...	...	321	-33.329	-9.472	-3	...	...	381	-28.578	-48.365	0.95	44.8912	10.1	
...	36.967	-26.029	-3	...	...	...	33.247	+54.514	-5	...	...	...	...	28.521	-29.572	-5	...	...
...	36.948	-52.253	-5	...	...	...	33.191	-5.913	-5	...	...	...	...	28.501	-18.941	-4	...	...
...	36.916	+53.403	-2	...	...	...	33.170	+39.415	-5	...	...	...	...	* 28.432	-4.880	0.95	44.8913	9.8
...	* 36.908	+36.618	0.90	43.8406	10.1	...	33.127	-54.622	-5	M	...	...	...	28.423	+25.227	-5	M	...
...	...	-36.898	-21.571	-4	-33.088	-35.985	-5	-28.415	+53.421	-2
...	36.758	+12.872	0.80	43.8405	10.1	...	32.965	-29.930	-5	...	...	...	...	28.355	+20.428	-4	...	...
...	36.731	+28.245	-5	M	...	...	32.950	-5.068	1.30	44.8909	9.4	...	...	28.335	-27.710	-3	...	...
...	36.676	+23.589	-4	...	...	...	32.891	+38.501	0.80	...	...	...	...	28.332	+54.198	-4	...	...
...	36.646	-30.115	-3	...	...	...	32.845	+3.085	0.70	...	...	...	...	28.223	+13.204	-4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
391	-28.085	+16.619	-5	...	...	451	-22.829	+8.973	0.70	43.8421	10.1	511	-17.541	+33.857	-5	...	...
...	27.579	-20.620	-5	...	...	...	22.793	+31.139	-5	...	...	...	17.509	+36.328	-5	...	...
...	27.491	+6.283	-4	...	...	...	22.792	+34.534	-3	...	...	...	17.506	+3.831	-1	43.8423	10.1
*	27.401	-15.887	1.00	44.8914	9.8	...	22.782	+16.767	-4	...	...	...	17.308	+34.512	-5	M	...
...	27.309	-39.525	0.80	...	...	*	22.780	-56.604	1.25	44.8920	9.6	...	17.108	+46.820	-5	...	...
...	-27.300	-43.001	-1	...	...	...	-22.432	+47.013	-5	...	...	...	-17.017	-53.843	-2	...	...
...	27.264	-48.080	0.65	...	...	...	22.253	+55.442	-5	...	...	...	16.941	+10.812	-5	...	...
...	27.160	-38.040	-5	...	...	...	22.113	-0.554	-5	...	...	...	16.759	-28.657	-5	...	...
...	27.023	-1.861	-5	...	...	S*	22.073	-45.618	1.95	44.8921	8.4	...	16.626	-21.067	-4	...	...
...	26.874	-43.161	-5	...	...	...	22.059	-49.282	-5	...	...	...	16.362	-57.676	-5	...	...
401	-26.865	+3.265	-4	...	...	461	-22.055	+1.812	-5	...	...	521	-16.344	+27.644	1.40	43.8425	9.4
...	26.732	-51.655	-2	...	...	...	21.992	+35.476	0.75	...	...	†	16.247	-5.142	-5	...	...
...	26.728	+21.866	-5	...	...	...	21.968	+26.966	-2	...	...	*	16.170	-54.932	0.90	44.8925	10.1
...	26.658	+11.964	-1	...	...	...	21.945	-28.594	-4	...	...	...	16.042	+3.719	-4	...	...
...	26.603	+3.737	-5	...	...	...	21.833	+46.449	-5	...	...	...	16.011	-50.177	-4	...	...
...	-26.379	+49.090	0.65	...	...	...	-21.777	+29.274	-5	...	...	...	-15.988	-25.452	-4	...	...
S*	26.315	+9.327	2.30	43.8419	8.2	...	21.751	+31.273	-5	...	...	...	15.841	+5.383	-3	...	...
...	26.281	+33.339	-5	...	...	...	21.725	+4.053	-5	...	...	...	15.727	-7.645	-5	...	...
...	26.244	-15.267	-2	...	...	...	21.626	+37.186	-5	...	...	...	15.537	+56.103	-5	...	...
...	26.183	+46.284	-3	...	...	...	21.625	-31.768	0.70	...	...	...	15.527	+35.066	-4	...	...
411	-25.979	-40.007	2.00	44.8915	8.5	471	-21.492	-15.952	-4	...	...	531	-15.044	-38.222	-5	...	...
†	25.960	+51.714	-2	...	...	...	21.469	-35.492	-3	...	...	...	14.930	-8.874	-1	44.8926	10.1
...	25.675	+44.438	0.95	...	...	...	21.459	-50.638	-5	...	...	†	14.789	-16.648	-5	...	...
*	25.673	-54.695	-5	...	...	...	21.414	+36.979	-4	...	...	...	14.741	+27.747	-3	...	...
...	25.624	+37.162	-5	...	...	...	21.276	+58.648	-5	...	...	...	14.568	+4.181	-1	...	...
†	-25.606	+39.701	-5	...	...	...	-20.993	+46.090	-3	...	...	...	-14.548	-27.887	-3	...	...
...	25.391	+50.584	-4	...	...	...	20.726	+19.966	-3	...	...	†	14.474	-54.956	-4	...	...
...	25.327	-2.746	-5	...	...	*	20.713	-14.183	1.20	44.8922	9.5	*	14.234	-2.681	1.10	44.8927	10.0
...	25.287	+51.073	-5	M	...	...	20.392	+25.825	-4	...	...	...	14.100	+56.250	-3	...	...
...	25.282	-4.644	0.85	44.8916	10.1	...	20.310	-38.434	-4	...	...	...	13.901	+6.204	-5	...	...
421	-25.262	+36.503	-5	...	...	481	-20.199	-16.983	-1	...	...	541	-13.743	-40.915	-5	...	...
...	25.141	+8.978	-4	...	...	...	20.067	-56.147	-3	...	...	*	13.736	-44.887	1.35	44.8928	9.5
...	25.103	-30.645	0.80	...	...	...	20.012	-6.464	-4	...	...	...	13.613	-41.625	-5	...	...
†	24.711	-45.165	1.10	44.8917	9.6	*	19.922	-41.414	1.00	44.8923	10.0	...	13.294	+47.652	-3	...	...
...	24.503	+28.717	-1	...	...	...	19.915	-55.300	-4	...	...	...	13.086	-8.666	-4	...	...
...	-24.462	+43.098	-5	M	...	*	-19.415	+23.806	1.40	43.8422	9.4	*	-12.883	-21.181	-5	...	...
...	24.442	+45.263	-1	...	...	...	19.330	-1.733	-4	...	...	...	12.867	-53.209	1.00	44.8929	10.0
...	24.360	+20.499	-4	...	...	...	19.318	+54.173	-5	...	...	...	12.605	+6.479	-5	...	...
...	24.340	-27.937	-1	...	...	...	19.222	-8.076	-5	...	...	...	12.574	+53.088	0.75	...	...
...	24.337	+43.523	0.85	...	...	...	19.219	+22.846	-5	M	...	...	12.568	-29.283	-5	...	...
431	-24.237	+46.126	-5	...	...	491	-19.160	-1.033	-5	...	...	551	-12.427	+3.181	-4	...	...
...	24.223	+18.772	-4	...	...	...	19.155	-52.378	-5	...	...	...	12.078	+42.415	0.70	...	...
...	24.154	+54.151	-5	...	...	...	19.111	+45.822	-2	...	...	*	11.772	+14.677	1.40	43.8426	9.3
*	24.101	+15.696	1.05	43.8420	10.1	...	18.950	-24.242	-2	...	...	...	11.770	+26.276	0.80	...	...
...	23.988	+14.333	-5	M	...	...	18.922	-30.947	-4	...	...	...	11.690	+1.911	-5	...	...
...	-23.878	-13.454	-5	...	...	*	-18.905	+36.669	0.90	...	...	...	-11.540	+24.456	-5	...	...
...	23.831	-7.816	-4	...	...	...	18.490	+37.609	-5	...	...	*	11.414	+26.576	1.10	43.8427	9.8
†	23.814	-54.974	1.70	44.8918	9.2	...	18.470	-40.900	-5	...	...	...	11.391	-42.545	0.65	...	...
...	23.652	-38.215	-4	...	...	...	18.318	+30.133	0.80	...	...	*	11.372	-14.961	1.25	44.8930	9.6
...	23.591	-30.237	-5	...	...	...	18.228	+42.559	0.70	...	...	...	11.238	+18.927	-3	...	...
441	-23.511	-27.486	-5	...	...	501	-18.141	-23.606	0.80	...	...	561	-11.197	+16.731	-5	...	...
*	23.501	-3.282	1.00	44.8919	10.0	...	18.044	-2.917	-5	...	...	...	11.182	+48.971	-5	...	...
...	23.415	+36.348	-5	...	...	...	18.016	+52.863	-5	...	...	...	11.166	+37.896	-5	...	...
...	23.307	-27.897	-5	...	...	...	17.897	+44.611	-1	...	...	...	11.035	+10.016	-5	...	...
...	23.231	+45.613	-3	...	...	...	17.822	+9.727	-4	...	...	...	11.030	+56.552	-4	...	...
...	-23.227	-8.398	-5	...	...	...	-17.780	+57.982	-4	...	...	...	-10.933	-2.533	1.00	44.8931	10.1
...	23.127	+13.057	-3	...	...	...	17.747	+22.483	-4	...	...	...	10.818	-9.974	-5	...	...
...	22.996	-41.719	0.65	...	...	...	17.658	+31.310	-4	...	...	...	10.812	+50.310	-4	...	...
...	22.891	+43.326	-5	M	...	*	17.593	-33.802	1.00	44.8924	9.6	...	10.745	-39.407	-5	...	...
...	22.866	-3.524	-5	...	...	†	17.559	+39.744	0.90	43.8424	10.1	...	10.686	-39.161	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
571-630						631-690						691-750					
571	-10°674	-23°253	-4	...	...	631	-5°624	-40°265	-5	...	...	691	-0°742	-41°419	-3	...	...
...	10°639	+56°348	-4	...	...	...	5°589	+40°002	-5	...	...	...	0°548	-34°428	-4	...	...
...	10°604	+15°570	-5	...	...	...	5°568	+35°119	-5	M	...	...	0°527	+20°184	-5	M m	...
...	10°527	+8°194	-5	...	...	...	5°546	+32°072	-2	...	...	...	0°419	-11°981	-4	...	...
...	10°471	-36°427	-1	...	...	...	5°189	+42°014	-5	...	...	...	0°371	-14°029	-5	...	...
...	-10°397	-9°931	-5	...	...	...	-4°997	+38°944	-2	...	...	...	-0°336	+37°868	-3	...	...
...	10°376	-17°287	-1	...	...	...	4°869	-46°748	1·30	44·8938	9·5	...	0°302	+40°224	0·70	...	...
...	10°374	+49°033	-5	...	...	...	4°850	+27°891	-5	...	...	...	0°279	+6°865	-5	...	...
...	10°348	+48°203	0·65	...	...	...	4°749	-37°331	-5	...	...	...	0°242	+53°883	-2	...	...
...	10°197	+55°662	-1	...	...	...	4°555	-5°983	-5	...	...	...	0°143	+35°065	-5	M	...
581	-10°150	-31°623	0·85	44·8932	10·1	641	-4°521	-51°566	-4	...	...	701	-0°067	+39°860	-4	...	...
...	9°966	-51°178	-4	...	...	S *	4°374	+34°188	5·70	43·8434	6·2	...	-0°007	+53°660	0·85	...	...
†	9°745	-1°827	-2	...	...	*	4°343	+7°315	1·30	43·8433	9·5	...	+0°351	-33°159	-1	...	...
...	9°719	-32°254	-4	...	...	...	4°213	+36°518	-5	...	...	*	0°553	+3°973	1·50	43·8437	9·2
...	9°548	+12°538	-2	...	...	...	4°033	-56°920	-5	...	...	...	0°682	+53°931	-3	...	...
...	-9°510	-18°579	-4	...	...	...	-4°031	-9°519	-5	...	...	...	+0°737	+20°587	-5	...	...
...	9°491	+49°023	-4	...	...	...	3°998	-33°389	-5	...	...	...	0°779	-43°255	-3	...	...
...	9°449	-42°930	-4	...	...	...	3°991	+26°007	-5	M	...	...	0°920	+42°169	0·90	43·8438	10·1
*	9°388	-55°306	1·60	44·8933	9·2	...	3°957	+4°027	-5	M m	...	S †	0°958	-10°027	2·30	44·8942	8·4
...	9°375	+57°771	-5	M	...	...	3°950	+16°916	1·00	...	...	...	1°079	+8°039	-4	M	...
591	-9°247	+57°403	-4	...	...	651	-3°877	+39°630	-2	...	...	711	+1°144	+31°028	-1	...	...
...	9°219	-8°850	-5	...	...	...	3°737	-59°760	0·75	...	...	*	1°308	-44°530	0·90	44·8943	10·1
...	9°159	+42°883	-4	...	...	...	3°679	+19°364	-5	M	...	...	1°358	-25°922	-5	...	...
...	9°061	-19°476	-5	...	...	...	3°232	-39°979	-5	...	...	...	1°478	+48°337	0·90	43·8439	10·1
...	8°987	+38°476	-4	...	...	...	3°195	+8°650	0·65	...	...	...	1°498	-3°318	-5	...	...
...	-8°848	+12°083	-1	43·8428	10·1	...	-3°101	+41°783	-4	...	...	...	+1°637	+18°498	-3	...	...
...	8°822	-42°773	-4	...	...	...	3°072	+6°014	-5	M	...	...	1°753	+13°044	1·00	43·8440	10·1
...	8°806	+3°832	-5	M	...	...	3°036	-11°387	1·05	44·8940	10·0	...	1°784	-9°524	-4	...	...
...	8°738	+23°973	-5	M	...	...	3°027	+2°977	-5	M	...	...	1°945	+3°638	-4	...	...
...	8°729	-43°740	-5	...	...	...	2°994	-59°506	-5	M m	...	...	2°060	+30°504	-5	...	...
601	-8°535	+59°348	-5	...	...	661	-2°974	-49°575	-5	...	...	721	+2°258	+46°865	-5	...	...
...	8°469	+52°033	0·90	43·8429	10·1	N †	2°949	-59°950	1·05	44·8939	9·8	...	2°260	+23°262	-3	...	...
...	8°267	-43°210	-4	...	...	...	2°734	+14°883	-5	M	...	...	2°410	-6°868	-3	...	...
*	8°030	+38°903	1·10	43·8430	9·6	†	2°715	-5°153	-5	...	...	...	2°476	-24°818	-4	...	...
...	8°022	-28°670	-5	...	...	...	2°512	-38°107	-5	...	...	...	2°595	-39°219	-1	...	...
...	-7°861	-2°811	-4	...	...	*	-2°349	+40°246	1·05	43·8435	9·8	...	+2°716	-20°459	-5	...	...
...	7°741	+40°149	-3	...	...	...	2°346	+45°565	-5	...	...	...	2°786	+43°146	-3	...	...
...	7°433	+57°103	-4	...	...	...	2°126	+22°116	-5	...	...	*	2°788	+58°516	1·20	43·8441	9·4
*	7°244	-19°356	1·80	44·8934	8·8	...	2°074	+5°869	-5	...	...	n	2°869	+9°932	-1	43·8442	10·1
...	7°231	+46°049	-5	...	...	...	2°022	-32°122	-5	...	...	...	2°934	-59°320	-3	...	...
611	-6°946	+21°916	1·60	43·8431	8·8	671	-1°981	-39°408	-5	...	...	731	+2°991	-3°137	-3	...	...
*	6°875	+51°367	-3	...	...	...	1°884	+17°842	-5	M	...	...	3°019	-49°243	-5	...	...
*	6°844	+9°737	0·95	43·8432	9·8	...	1°878	-11°611	-5	...	...	...	3°027	-57°830	-2	...	...
...	6°726	-58°547	-3	m	...	...	1°773	+22°217	-3	...	...	n	3°050	+9°699	-3	43·8442	10·1
...	6°686	-9°374	-4	...	...	...	1°727	-28°747	-5	...	...	...	3°184	-52°978	-1	...	...
...	-6°641	-20°599	-5	...	...	...	-1°723	+27°683	-5	...	...	...	+3°354	+35°677	-4	...	...
...	6°597	+34°310	-5	M	...	...	1°618	-48°379	-3	...	...	...	3°361	+15°073	-3	...	...
...	6°589	-39°250	-5	...	...	...	1°581	+48°958	-4	...	...	...	3°444	+21°623	-4	...	...
*	6°354	-28°894	1·10	44·8935	9·5	...	1°523	+21°364	1·00	43·8436	10·0	...	3°476	-12°378	-4	...	...
...	6°302	-17°534	-5	...	...	...	1°449	+15°792	-4	...	...	...	3°496	-0°301	-4	...	...
621	-6°271	+30°917	-2	...	...	681	-1°441	-50°880	-5	...	...	741	+3°538	+46°785	-5	...	...
...	6°170	+9°987	-3	...	...	...	1°327	+25°305	-2	...	...	...	3°561	-24°406	-4	...	...
n	6°162	-23°302	-2	44·8936	10·1	...	1°256	+25°673	-5	M	...	...	3°607	+46°996	-5	M m	...
...	6°161	-50°313	-4	...	...	...	1°141	-24°350	-5	...	...	...	3°785	+37°808	-4	...	...
...	6°133	-49°020	-5	...	...	*	1°126	-59°551	1·15	44·8941	9·6	...	3°820	-5°371	-4	...	...
...	-6°102	-30°371	-5	...	...	...	-1°105	-51°057	-5	...	...	...	+3°844	+50°248	-3	...	...
n	6°057	-23°216	-3	44·8936	10·1	...	1°100	-5°308	-3	...	...	...	3°860	+19°041	-5	M m	...
...	6°034	-43°204	-5	...	...	...	1°047	-24°031	-4	...	...	...	4°168	-8°979	-4	...	...
...	5°978	+32°013	-5	...	...	...	0°887	+42°543	-3	...	...	...	4°236	+29°620	-2	...	...
*	5°706	-52°903	1·00	44·8937	9·6	...	0°883	+59°009	-5	M	...	...	4°239	-28°587	-4	...	...

623, 627. C.P.D., mass.

662. Obscures 2nd image of 660.

729, 734. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
751-810						811-870						871-930								
751	+	4.245	-41.848	-5	...	...	+	10.001	-35.835	-5	...	...	871	+	14.497	+6.861	-4	...	...
...	...	4.322	+40.709	-1	...	...	...	10.078	-33.858	1.15	44.8951	9.6	...	...	14.575	+37.865	-3	...	...
*	...	4.439	+21.955	1.20	43.8443	9.8	*	10.145	+16.586	1.15	43.8450	9.5	...	...	14.595	+53.686	-4	...	...
...	...	4.768	+26.414	-4	...	...	...	10.185	-25.678	-3	...	...	...	...	14.751	+39.437	-4	...	...
*	...	4.819	+35.900	2.80	43.8444	8.2	...	10.190	+18.500	-5	...	...	*	...	14.766	+39.600	0.90	43.8456	10.0
†	+	4.860	-20.103	-3	...	...	...	+10.267	+8.121	1.00	43.8451	9.6	...	...	+15.115	-10.918	-5	...	...
S*	...	4.946	-49.785	1.70	44.8944	9.2	...	10.322	-26.956	-3	...	...	...	...	15.119	-57.943	-5	...	...
...	...	4.979	+49.743	-3	...	...	*	10.398	+25.065	1.30	43.8452	9.6	...	...	15.136	+39.246	-4	...	...
...	...	4.986	-58.781	-1	...	...	...	10.588	+42.718	-4	...	...	...	...	15.176	+43.564	-5	...	...
...	...	5.503	-50.644	-5	...	...	...	10.827	-7.004	-5	...	...	...	...	15.187	+55.155	1.10	43.8457	9.6
761	+	5.521	-51.800	-5	...	...	821	+10.860	+6.791	-4	...	...	881	+	15.237	+50.729	0.90	...	...
...	...	5.617	+31.761	-5	M	...	...	10.869	-48.589	-4	...	...	n†	...	15.363	+50.897	1.40	43.8458	9.3
...	...	5.674	-45.533	0.85	44.8945	10.1	*	10.877	+47.214	1.10	43.8453	9.6	n*	...	15.691	+22.777	1.15	43.8459	9.8	
...	...	5.713	-55.385	-5	...	...	...	10.951	-17.849	-4	...	...	...	...	15.715	-7.423	-5	...	...
...	...	5.773	+23.368	-3	M	...	...	11.043	+19.754	-1	43.8454	10.0	...	...	15.839	+19.135	-1	...	...
...	+	5.904	+13.626	-5	...	...	...	+11.060	-33.178	-2	...	...	...	...	+15.866	+56.791	0.80	...	...
...	...	5.953	-28.572	0.90	...	...	...	11.200	+42.427	-4	...	...	...	...	15.880	+57.841	-4	...	...
...	...	5.990	+17.838	-5	...	...	...	11.213	+48.863	0.80	...	...	...	...	16.048	-24.137	-5	...	...
*	...	6.143	-55.248	1.30	44.8946	9.5	...	11.324	+50.824	-3	...	...	...	...	16.095	+9.914	-4	...	...
...	...	6.166	-16.338	0.80	...	...	...	11.429	+23.816	-3	...	...	...	...	16.230	-57.606	-5	...	...
771	+	6.167	+14.209	1.10	43.8445	9.8	831	+11.611	-31.320	-5	...	...	891	+	16.984	+51.348	0.95	43.8460	10.1
...	...	6.200	+24.219	-1	...	...	...	11.728	+44.041	-4	...	...	...	...	16.998	-52.168	-5	...	...
...	...	6.201	+41.212	-4	...	...	...	11.860	+49.427	-5	...	...	...	...	17.149	-19.521	0.80	...	...
...	...	6.335	-48.244	1.00	44.8947	10.1	...	11.966	-6.631	-4	...	...	...	...	17.363	+22.976	-5	...	...
...	...	6.408	+4.939	-4	...	...	...	12.095	-46.959	-3	...	...	...	...	17.404	+52.109	-5	...	...
...	+	6.654	+3.488	-4	...	...	...	+12.100	+57.327	-4	...	...	...	...	+17.410	-19.811	-5	...	...
...	...	6.655	-22.167	-5	...	...	...	12.177	+53.870	-4	...	...	...	...	17.515	+52.743	-4	...	...
...	...	6.784	+58.589	-5	...	...	...	12.177	+1.892	-4	...	...	...	...	17.532	-38.088	-5	...	...
*	...	6.946	+7.949	1.40	43.8446	9.5	...	12.204	+46.672	-5	...	...	...	...	17.613	+44.857	-5	...	...
...	...	6.947	+36.078	-4	12.204	-42.205	-4	*	...	17.627	+42.400	1.70	43.8461	9.4
781	+	7.016	-55.288	-4	...	...	841	+12.266	-2.079	1.00	...	...	901	*	17.803	-5.560	1.20	44.8955	9.8
...	...	7.080	+40.915	-5	...	...	...	12.497	-1.141	-4	...	...	...	†	17.847	-40.125	0.95	44.8956	10.0
...	...	7.097	-6.531	-5	...	...	...	12.582	-48.019	-5	...	...	...	*	18.080	-21.314	1.20	44.8957	9.6
...	...	7.135	+20.107	-5	...	...	...	12.627	-30.287	-5	...	...	...	...	18.164	-8.294	-1	...	...
...	†	7.149	-15.111	-5	...	...	...	12.735	+2.589	-3	...	...	...	...	18.294	-16.895	1.00	44.8958	10.1
...	+	7.666	-49.163	-4	...	...	...	+13.108	-45.454	-5	...	...	...	...	+18.336	+51.394	-5	...	...
...	...	7.711	-13.752	0.95	44.8948	10.1	...	13.204	-30.877	-4	...	...	...	...	18.435	+4.664	0.85	...	...
...	...	7.851	+39.529	-5	...	...	...	13.239	-29.819	-4	...	...	...	...	18.598	+29.899	-4	...	...
...	...	8.084	-10.061	-5	...	...	*	13.267	-34.107	1.30	44.8952	9.6	...	...	18.683	-44.742	1.60	44.8959	9.3
...	...	8.088	-35.909	-4	...	...	...	13.268	-38.672	-4	...	...	...	...	18.709	+15.563	-5	...	...
791	+	8.249	+37.569	-3	...	...	851	+13.360	+33.954	-4	...	...	911	+	18.925	-44.331	-5	...	...
...	...	8.266	-19.336	-1	...	...	*	13.392	-13.904	1.00	44.8953	9.6	...	...	18.933	-44.964	-4	...	...
...	...	8.363	+59.457	-5	...	...	...	13.411	-40.441	-5	...	...	...	...	18.940	+32.515	-4	...	...
*	...	8.428	+36.240	1.60	43.8447	9.3	...	13.518	+38.462	-5	...	...	...	...	19.390	-2.323	-5	...	...
*	...	8.488	+12.835	1.10	43.8448	9.6	...	13.537	+41.142	-5	...	...	...	*	19.536	-9.717	1.00	44.8960	10.0
...	+	8.519	+0.288	0.80	α	...	...	+13.639	+57.349	-4	...	...	...	...	+19.787	+5.155	-5	...	...
...	...	8.527	+16.445	neb.	43.8449	neb.	...	13.681	-41.413	-4	...	...	...	...	19.920	+33.418	1.25	43.8462	9.6
...	...	8.588	-43.641	-4	...	...	...	13.776	+30.315	-5	...	...	...	...	19.942	-32.242	1.00	44.8961	10.1
*	...	8.620	-27.089	1.20	44.8949	9.6	...	13.872	+48.046	0.65	...	...	...	...	20.090	+35.231	-5	...	...
...	...	8.749	-29.506	-4	...	...	...	13.914	+47.763	-3	...	...	...	*	20.253	-39.943	0.90	44.8962	10.0
801	+	8.750	+19.633	-5	...	...	861	+13.986	-37.034	0.80	...	...	921	+	20.287	-13.025	-2	...	...
...	...	8.811	+23.597	0.75	...	...	*	14.098	+41.407	1.20	43.8455	9.8	...	...	20.471	+18.843	-3	...	...
...	...	9.188	-41.461	-3	...	...	...	14.143	+57.632	-4	...	...	...	*	20.509	-32.743	0.85	44.8963	10.1
...	...	9.241	-11.034	-4	...	...	...	14.219	-9.449	-4	...	...	...	...	20.606	-0.732	-4	...	...
...	...	9.322	+41.667	-5	...	...	...	14.245	+28.990	-4	...	...	...	...	20.790	+25.454	-4	...	...
...	+	9.327	+13.393	-5	m	...	...	+14.265	-24.202	-2	...	...	...	...	+20.829	-48.830	-4	...	...
...	...	9.442	+37.635	0.85	...	...	...	14.308	-24.139	-4	...	...	...	...	21.072	+49.298	-5	...	...
...	...	9.795	-36.681	-2	...	...	...	14.334	+7.360	-5	...	...	...	...	21.331	+12.506	-1	...	...
...	...	9.825	-9.280	1.15	44.8950	9.8	...	14.444	-19.020	-4	...	...	...	...	21.389	-29.860	-5	...	...
...	...	9.948	+19.283	-3	...	...	...	14.484	-31.976	0.85	44.8954	10.1	...	...	21.451	+10.637	-3	...	...

881, 882. C.P.D., suspected double.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
931-990						991-1050						1051-1110					
931	+21°592	-54°420	-4	...	...	991	+28°289	-9°917	-5	...	...	1051	+34°341	+15°657	-1	...	...
...	21°610	+51°278	-3	...	...	...	28°350	-33°704	-1	...	...	...	34°535	-25°124	-2	...	...
...	21°770	-35°756	-5	...	...	...	28°359	-6°279	-5	...	...	...	34°576	+46°270	-4	...	...
...	21°794	-52°799	-1	...	...	...	28°396	+29°451	-5	...	...	...	* 34°826	+34°437	1.50	43.8471	9.0
...	21°909	+20°588	-2	...	...	...	28°522	-16°957	-5	...	...	...	34°885	+5°394	-5	...	...
...	+21°946	-49°880	-5	...	...	...	+28°646	-52°840	-5	...	...	...	+34°885	-40°433	-5	...	...
†	22°121	+29°660	-3	...	...	...	28°919	-54°857	-5	...	...	...	35°141	-50°265	-4	...	...
...	22°140	+16°733	-5	...	...	...	28°944	-48°726	-5	...	...	...	35°262	-11°107	-5	...	...
...	22°207	-14°045	-5	...	...	*	29°018	-0°590	1.05	44.8974	10.0	...	35°312	+51°911	-5	...	...
*	22°258	-28°794	1.10	44.8964	9.8	...	29°114	+57°129	-5	...	...	...	* 35°319	-19°662	1.15	44.8979	9.6
941	+22°265	-32°791	-4	...	...	1001	+29°132	-5°412	-5	...	...	1061	+35°340	-10°791	-2	...	...
...	22°282	-51°236	-3	...	...	...	29°147	+51°247	0.80	...	...	...	35°479	-7°361	-3	...	...
...	22°293	-46°529	-4	...	...	...	29°396	-45°908	-2	...	...	...	35°491	-54°186	-3	...	...
...	22°358	-46°499	-3	...	...	...	29°537	-51°765	-4	...	...	...	35°587	-36°673	-5	...	...
...	22°504	+42°397	-5	...	...	...	29°835	+1°697	-5	...	...	...	35°715	-31°075	-4	...	...
...	+22°625	-35°665	-5	...	...	...	+30°039	-32°862	-3	...	...	...	+35°729	-4°247	-4	...	...
...	22°657	+33°172	-5	...	...	N	30°146	-38°496	-5	...	...	...	35°752	-7°377	-3	...	...
...	22°722	-12°954	-5	...	...	...	30°149	-37°955	-4	...	...	...	35°803	-53°656	-1	...	...
...	22°898	-9°283	-3	...	...	...	30°305	-0°382	-1	...	...	...	35°852	-23°331	-5	...	...
...	22°983	-40°308	-3	...	...	...	30°380	+29°466	0.65	...	...	...	36°101	+35°127	1.00	43.8472	10.1
951	+23°110	-29°041	-4	...	...	1011	+30°380	-9°973	1.00	44.8975	9.8	1071	+36°156	+43°675	0.75	...	...
...	23°371	-36°508	-5	...	...	*	30°496	-32°539	-5	...	...	...	36°559	-42°754	-4	...	...
...	23°387	+41°064	-5	...	...	...	30°595	-47°568	-1	...	...	...	37°176	-28°563	0.80	...	...
...	23°402	-48°721	-5	...	...	...	30°651	-49°182	-4	...	...	...	37°206	-38°967	-3	...	...
...	23°436	+55°710	-5	...	...	...	30°669	-17°094	-4	...	...	...	37°304	+21°316	-3	...	...
...	+23°485	-47°886	0.80	...	...	...	+30°787	-18°198	-5	...	...	...	+37°337	+46°310	-1	...	...
...	23°498	+39°401	-5	...	...	...	30°792	-6°704	0.90	44.8976	10.0	...	37°339	-5°794	-5	...	...
*	23°665	-26°598	1.00	44.8965	10.1	...	30°972	+52°489	-4	...	...	...	37°453	-54°535	-4	...	...
...	23°762	+6°503	-1	43.8463	10.0	...	31°130	-26°759	-1	...	...	...	37°482	-48°798	-1	...	...
*	24°061	+9°378	1.40	43.8464	9.3	...	31°209	-23°028	-5	...	...	S*	37°571	+25°487	1.70	43.8473	8.8
961	+24°155	-8°694	-5	...	...	1021	+31°235	-13°043	-5	...	...	1081	+37°622	+50°065	-3	...	...
...	24°420	+7°533	-1	43.8465	10.1	...	31°364	+59°369	-3	...	...	...	37°672	+18°232	-5	...	...
...	24°520	-29°591	-4	...	...	...	31°409	+45°562	-5	...	...	...	37°675	+5°593	-5	m	...
*	24°764	-52°324	0.90	44.8966	10.1	...	31°421	-6°789	-5	...	...	...	37°851	-36°665	-3	...	...
...	24°807	+45°532	-1	...	...	...	31°463	+6°914	-5	...	...	...	37°881	-6°078	-5	...	...
...	+24°829	-55°649	-5	...	...	...	+31°536	-27°156	-4	...	...	*	+37°982	-25°857	0.95	44.8980	10.0
...	24°888	-32°953	0.65	...	...	...	31°805	-13°399	-4	...	...	...	38°264	+0°071	-3	...	...
...	24°929	+13°664	-3	...	...	...	31°830	-16°019	-5	...	...	...	38°264	-45°732	-5	...	...
...	24°940	+14°663	-2	...	...	...	31°836	-27°123	-5	...	...	...	38°360	+26°083	-5	m	...
...	25°329	-4°403	-5	...	...	...	31°873	+11°297	-5	...	...	*	38°381	-55°665	1.05	44.8981	10.0
971	+25°570	-52°436	0.85	...	...	1031	+32°142	-36°913	-5	...	...	1091	+38°382	-48°670	-4	...	...
...	25°658	-11°384	-5	...	...	...	32°388	-23°831	-4	...	...	...	38°563	+48°971	-3	...	...
...	25°674	-3°173	-4	...	...	...	32°553	+27°534	-4	...	...	...	38°991	-26°645	-5	...	...
*	25°785	-7°804	1.10	44.8967	9.8	*	32°642	-42°200	1.50	44.8977	9.3	...	39°096	-23°967	0.65	...	...
*	25°793	-51°153	1.10	44.8968	9.8	*	32°723	+51°210	1.00	43.8469	9.8	*	39°256	-32°782	1.20	44.8982	9.8
...	+25°870	+29°638	0.65	...	...	...	+32°725	-12°172	-5	...	...	...	+39°260	+49°299	-1	...	...
*	26°094	-57°683	2.80	44.8969	8.0	...	32°817	-13°098	-4	...	...	...	39°261	-45°819	-4	...	...
*	26°373	+44°765	1.70	43.8466	9.0	...	32°849	+29°998	-1	...	...	...	39°478	+47°897	-2	...	...
...	26°378	-24°914	-5	...	...	...	32°897	-28°203	-5	...	...	*	39°599	-58°799	1.10	44.8983	10.0
*	26°458	+50°794	1.10	43.8467	10.0	...	32°910	+31°383	-5	...	...	...	39°635	+57°318	-5	...	...
981	+26°919	+36°062	-5	...	...	1041	+32°977	-30°852	-5	...	...	1101	+39°650	-32°438	0.65	...	...
*	27°278	-41°112	1.05	44.8970	10.0	...	32°977	-55°615	-2	...	...	...	39°718	+53°438	0.95	...	...
...	27°863	-21°754	-5	...	...	*	33°293	+42°700	1.80	43.8470	8.8	...	39°787	-50°178	-5	...	...
*	27°926	-7°576	1.15	44.8971	9.8	...	33°317	+43°686	-3	...	...	...	39°821	+50°253	-2	...	...
...	27°965	-29°951	-5	...	...	...	33°444	+55°040	-5	...	...	...	39°954	-30°090	-5	...	...
...	+28°028	+23°223	-4	...	...	...	+33°634	-9°916	0.90	44.8978	10.1	...	+39°969	+24°123	-3	...	...
...	28°032	-44°220	-5	...	...	†	33°671	-20°121	-4	...	...	...	40°017	+52°636	-2	...	...
*	28°070	+34°572	1.05	43.8468	10.0	...	33°689	+10°423	-4	...	...	...	40°109	-47°301	-3	...	...
...	28°134	-20°838	0.90	44.8972	10.1	...	33°979	-36°272	-4	...	...	...	40°149	-18°474	-4	...	...
*	28°174	-20°033	1.05	44.8973	9.6	...	34°013	-0°848	-4	...	...	...	40°317	+47°247	-5	...	...

1007. Obscure 2nd image of 1008.

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-3.	No.	Mag.	x.	y.		-3.	No.	Mag.	x.	y.	-3.	No.		Mag.	x.	y.	-3.	No.	Mag.	x.	y.	-3.	No.	Mag.
1111-1170						1171-1230						1231-1290														
I111	...	...	...	...	...	I171	...	...	...	...	I231	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+40.339	-41.607	-4	...	...	...	+46.556	-50.605	0.65	...	...	+51.890	-44.245	-5	...	...	...	...	...	...	...	...	...	...	...	...
...	40.372	+28.659	-4	...	...	*	46.668	+59.412	1.70	43.8477	9.5	...	52.078	-16.194	-1	44.8998	10.1	...	...	...	...	...	...	...	...	...
...	40.404	+12.691	-5	...	...	...	46.698	+51.174	-5	...	...	...	52.146	-48.356	-4	...	...	...	...	...	...	...	...	...	...	...
...	40.419	-32.897	-4	...	...	*	46.725	-38.991	1.00	44.8993	10.1	...	52.260	-36.646	-4	...	...	...	...	...	...	...	...	...	...	...
...	40.886	+45.454	-4	...	...	...	46.798	-12.912	-3	...	...	...	52.431	-34.073	-4	...	...	...	...	...	...	...	...	...	...	...
*	+40.920	+45.061	0.95	43.8474	10.0	...	+46.837	-43.125	0.85	44.8994	10.1	...	+52.477	+27.363	0.90	43.8483	10.0	...	...	...	...	...	...	...	...	...
...	41.121	+51.939	-1	...	...	...	46.986	+50.670	-5	...	...	...	52.689	-50.356	-1	...	...	...	...	...	...	...	...	...	...	...
...	41.293	-34.602	-5	...	...	...	47.036	+59.333	-1	...	...	...	52.733	+11.900	-1	...	...	...	...	...	...	...	...	...	...	...
...	41.342	+53.947	0.95	43.8475	10.0	...	47.210	-8.348	-4	...	...	...	53.129	-35.906	-4	...	...	...	...	...	...	...	...	...	...	...
...	41.474	-30.949	-1	...	...	...	47.523	+46.348	-5	...	...	...	53.161	+58.588	0.90	43.8484	9.8	...	...	...	...	...	...	...	...	...
I121	...	...	...	...	...	I181	...	...	...	...	I241	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*	+41.855	-19.358	1.80	44.8984	8.8	...	+47.554	-31.253	-4	...	...	*	+53.524	-8.035	1.00	44.8999	10.0	...	...	...	...	...	...	...	...	...
...	41.896	-5.006	-4	...	...	...	47.571	-10.315	-5	...	...	...	53.742	-39.236	0.90	44.9000	10.1	...	...	...	...	...	...	...	...	...
...	41.937	+47.902	-1	...	...	...	47.629	-16.871	-5	...	...	...	53.829	+44.339	0.75	...	...	...	...	...	...	...	...	...	...	...
...	42.011	-13.434	-4	...	...	...	47.661	-10.959	-4	...	...	*	53.881	+26.438	0.95	...	...	...	...	...	...	...	...	...	...	...
...	42.101	+37.507	-4	...	...	*	47.682	+52.026	1.25	43.8479	9.6	S	54.003	-15.903	2.10	44.9001	8.6	...	...	...	...	...	...	...	...	...
...	+42.137	-19.134	0.70	44.8985	10.1	...	+47.813	-53.486	-5	...	...	...	+54.038	-2.316	-3	...	...	...	...	...	...	...	...	...	...	...
...	42.171	+39.357	-3	...	...	...	47.854	-39.513	0.70	...	...	...	54.160	-17.275	-5	...	...	...	...	...	...	...	...	...	...	...
...	42.180	-21.970	-4	...	...	...	47.882	-59.006	-3	...	...	...	54.237	+10.552	-5	...	...	...	...	...	...	...	...	...	...	...
...	42.388	-20.880	-2	...	...	...	47.893	-13.814	-5	...	...	...	54.238	-11.393	-1	...	...	...	...	...	...	...	...	...	...	...
...	42.536	+32.305	-5	...	...	...	47.988	-15.057	-4	...	...	...	54.357	+23.856	-3	...	...	...	...	...	...	...	...	...	...	...
I131	...	...	...	...	...	I191	...	...	...	...	I251	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+42.557	-44.088	-4	...	...	...	+48.099	-11.458	-5	...	...	...	+54.400	-8.166	-2	...	...	...	...	...	...	...	...	...	...	...
*	42.560	-32.080	0.90	44.8986	10.0	...	48.240	-15.960	-5	...	...	...	54.467	+20.926	-2	...	...	...	...	...	...	...	...	...	...	...
...	42.675	-40.665	-4	...	...	...	48.589	+7.791	0.80	...	...	...	54.551	-45.667	-4	...	...	...	...	...	...	...	...	...	...	...
...	42.715	+45.568	-5	...	...	*	48.601	-19.515	1.90	44.8995	9.0	...	54.601	+43.028	-3	...	...	...	...	...	...	...	...	...	...	...
*	42.775	-31.083	1.00	44.8987	9.6	...	48.696	+44.746	-5	...	...	...	54.601	+37.863	-5	...	...	...	...	...	...	...	...	...	...	...
*	+42.835	-10.848	1.00	44.8988	9.6	...	+48.736	+50.992	-1	...	...	...	+54.642	+25.119	-5	...	...	...	...	...	...	...	...	...	...	...
...	42.901	-0.008	-3	f	...	...	48.846	+38.048	-4	...	...	...	54.749	+3.057	-5	...	...	...	...	...	...	...	...	...	...	...
...	42.937	-21.288	-3	...	...	...	48.852	-21.199	-5	...	...	...	54.752	-46.871	-3	...	...	...	...	...	...	...	...	...	...	...
...	42.978	-56.662	-5	...	...	...	48.898	+47.278	-1	...	...	...	54.826	-12.320	-3	...	...	...	...	...	...	...	...	...	...	...
...	42.985	-2.821	-1	...	...	...	48.908	+11.509	-4	...	...	...	55.218	+20.002	1.80	43.8485	9.0	...	...	...	...	...	...	...	...	...
I141	...	...	...	...	...	I201	...	...	...	...	I261	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+43.113	-51.176	-3	...	...	...	+49.163	-25.723	-4	...	...	...	+55.329	-42.102	-1	...	...	...	...	...	...	...	...	...	...	...
...	43.335	+3.272	-4	...	...	...	49.290	+13.450	-5	...	...	...	55.437	+54.515	-4	...	...	...	...	...	...	...	...	...	...	...
...	43.372	-17.101	-4	...	...	*	49.365	+29.095	1.05	...	...	...	55.454	+39.987	-4	...	...	...	...	...	...	...	...	...	...	...
...	43.376	-32.980	-4	...	...	...	49.374	-39.285	0.75	...	...	*	55.474	+13.438	1.10	43.8488	9.6	...	...	...	...	...	...	...	...	...
...	43.628	-37.576	-3	...	...	...	49.480	-32.270	-2	...	...	...	55.528	-52.648	-2	...	...	...	...	...	...	...	...	...	...	...
...	+43.705	-34.911	-5	...	...	...	+49.607	-43.978	-5	c	...	*	+55.578	-35.262	2.00	44.9003	8.9	...	...	...	...	...	...	...	...
...	43.843	-4.575	-4	...	...	...	49.754	-49.613	-4	...	...	*	55.586	+32.259	2.00	43.8486	8.8	...	...	...	...	...	...	...	...
...	43.898	-31.273	-1	...	...	...	49.805	+48.233	0.90	...	...	*	55.591	-47.237	1.45	44.9004	9.4	...	...	...	...	...	...	...	...
...	44.012	-7.136	-5	...	...	...	49.853	+58.981	-1	...	...	...	55.638	-26.963	-4	...	...	...	...	...	...	...	...	...	...	...
...	44.049	+23.236	-4	...	...	...	49.966	+46.691	0.85	...	...	...	55.663	-1.060	0.65	...	...	...	...	...	...	...	...	...	...	...
I151	...	...	...	...	...	I211	...	...	...	...	I271	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+44.146	-42.362	-5	...	...	S †	+50.143	+53.563	3.10	43.8480	7.6	*	+55.667	+15.321	1.05	43.8489	9.8	...	...	...	...	...	...	...	...	...
S *	44.285	-36.576	2.90	44.8989	7.8	...	50.324	-55.587	-5	...	...	*	55.711	-4.127	1.15	44.9002	9.6	...	...	...	...	...	...	...	...	...
...	44.301	-15.518	-5	...	...	*	50.363	-9.888	0.95	44.8996	10.1	...	55.816	+13.108	-1	...	...	...	...	...	...	...	...	...	...	...
...	44.472	-39.855	-4	...	...	...	50.378	-0.814	-5	...	...	...	55.832	+28.195	0.80	...	...	...	...	...	...	...	...	...	...	...
...	44.641	+20.451	-5	...	...	...	50.403	-48.544	-5	...	...	*	55.924	+57.089	2.00	43.8487	9.8	...	...	...	...	...	...	...	...
...	+44.666	-30.497	-3	...	...	...	+50.687	+18.692	1.20	43.8481	9.6	...	+55.978	-13.741	-4	...	...	...	...	...	...	...	...	...	...
...	44.901	-48.078	-5	m	...	...	50.730	+11.874	-4	...	...	...	56.219	-3.938	-5	...	...	...	...	...	...	...	...	...	...
*	44.922	-40.481	1.00	44.8990	9.6	...	50.787	+0.473	1.40	43.8482	9.3	...	56.383	+43.234	-4	...	...	...	...	...	...	...	...	...	...
...	44.973	+29.571	0.75	...	...	...	50.790	+1.135	-4	...	...	...	56.494	+49.977	1.05	43.8490	10.0	...	...	...	...	...	...	...	...
...	45.171	-45.501	0.80	...	...	*	50.858	-8.728	0.85	44.8997	10.1	...	56.495	+12.230	-5	...	...	...	...	...	...	...	...	...	...	...
I161	...	...	...	...	...	I221	...																			

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1291-1300						1301-1310						1311-1316					
1291	+57°656	+26°959	-4	...	...	1301	+58°791	+28°705	-5	...	...	1311	+59°555	+3°264	-4	...	...
...	57°673	+0°204	-5	...	...	...	58°833	+34°409	-5	...	...	...	59°556	+34°031	-5	...	...
...	57°694	-28°266	-4	...	...	...	58°934	-54°826	-5	...	...	...	59°599	+7°254	-5	...	...
...	57°724	-31°658	-4	...	...	...	58°965	-9°366	-4	...	...	...	59°624	+37°198	-5	...	...
...	57°784	+41°235	-5	...	...	...	59°069	+54°141	-5	...	...	...	59°774	-38°613	-5	...	...
...	+58°000	-52°761	0·65	...	...	...	+59°143	+23°748	0·65	...	...	†	+60°096	+45°565	-5	...	...
...	58°071	-54°773	1·00	44·9005	10·1	...	59°195	+1°381	-3	...	...	...	...	...	...	...	...
...	58°205	-50°620	-4	...	...	...	59°314	+56°034	-4	...	...	...	...	...	...	...	...
...	58°466	+26°168	0·85	...	...	...	59°342	+48°512	-5	...	...	...	...	...	...	...	...
...	58°710	-28°093	-1	...	...	...	59°409	+19°149	-5	...	...	...	...	...	...	...	...

1-40						41-80						81-120						
I	...	...	...	...	...	41	...	...	...	...	...	81	...	...	...	...	...
†	-59°428	+28°942	0·85	...	...	...	-55°441	+44°324	-1	...	...	*	-52°068	-4°078	1·15	44·9002	9·6
...	59°416	-31°439	-4	...	...	...	55°349	-16°239	-1	44·8998	10·1	...	52°006	+48°942	-1	...	...
‡	59°395	+53°428	3·50	43·8480	7·6	...	54°835	+26°421	0·85	...	...	...	51°995	+51°130	-5	...	...
...	59°381	+11°341	-3	...	...	...	54°679	-44°294	-4	...	...	...	51°985	-45°639	-5	...	...
...	59°364	+46°538	-2	...	...	...	54°639	+43°031	-4	...	...	...	51°940	+45°135	-5	...	...
...	-59°182	-16°141	-5	...	...	†	-54°579	-49°976	-4	...	...	...	-51°940	+43°978	0·65	...	...
...	59°037	+13°296	-5	...	...	†	54°567	-36°680	-4	...	...	...	51°795	+12°291	-5	...	...
...	58°852	-39°697	-2	...	...	...	54°452	-34°121	-5	...	...	...	51°731	-46°845	-3	...	...
*	58°728	-19°686	1·60	44·8995	9·0	...	54°301	-48°405	-5	...	...	...	51°726	+22°834	-3	...	...
...	58°471	-53°643	-4	...	...	...	54°292	+23°855	-4	...	...	...	51°568	-3°873	-5	...	...
II	...	...	...	...	...	51	...	...	...	...	...	91	...	...	...	...	...
...	-58°441	-21°356	-5	...	...	*	-54°147	-8°054	1·00	44·8999	10·0	...	-51°521	-13°674	-4	...	...
...	58°255	-59°165	-4	...	...	...	54°118	+54°557	-4	...	...	...	51°454	-26°899	-4	...	...
...	58°174	-25°338	-5	...	...	...	54°092	+20°926	-3	...	...	...	51°401	+41°328	-4	...	...
...	57°969	-25°871	-4	...	...	...	54°002	+10°535	-5	...	...	...	51°381	+33°443	-5	...	...
*	57°798	+18°584	1·00	43·8481	9·6	...	53°919	+20°931	-5	...	...	...	51°309	-42°042	-2	...	...
...	-57°548	+11°767	-3	...	...	...	-53°813	-2°328	-3	...	...	*	-51°260	-35°195	1·80	44·9003	8·9
...	57°514	-0°927	-4	...	...	*	53°731	+57°127	2·10	43·8487	8·9	...	51°095	+18°849	-2	...	...
...	57°475	+38°430	-4	...	...	...	53°707	-35°930	-5	...	...	...	51°072	+27°055	-4	...	...
...	57°453	-32°399	-3	...	...	...	53°705	-50°374	-1	...	...	...	50°964	+27°263	-5	...	...
...	57°349	-39°421	-2	...	...	...	53°672	+40°017	-4	...	...	...	50°926	-15°881	-5	...	...
2I	...	...	...	...	...	61	...	...	...	...	...	101	...	...	...	...	...
*	-57°250	-9°993	0·85	44·8996	10·1	S*	-53°422	-15°902	1·90	44·9001	8·6	*	-50°882	-47°162	1·25	44·9004	9·4	
...	57°191	+6°297	-4	...	...	...	53°338	-11°385	-2	...	...	...	50°778	-52°578	-3	...	...
...	57°183	+35°706	-4	...	...	*	53°307	+20°033	1·50	43·8485	9·0	...	50°504	+54°276	-3	...	...
...	57°160	+1°039	-4	...	...	*	53°295	+32°292	1·80	43·8486	8·8	...	50°311	+56°169	-4	...	...
*	57°131	+0°383	1·05	43·8482	9·3	...	53°271	-8°161	-1	...	...	...	50°257	+0°326	-5	...	...
...	-56°983	-44°108	-5	E	...	...	-53°252	+3°073	-5	...	...	...	-50°233	+26°291	0·70	...	...
...	56°815	+1°864	-3	...	...	...	53°243	-17°264	-5	...	...	...	50°152	-26°985	-2	...	...
...	56°789	-8°828	0·80	44·8997	10·1	...	53°035	-22°982	-5	...	...	...	50°136	+34°551	-5	...	...
...	56°721	+6°078	-5	...	...	...	52°981	-39°242	0·80	44·9000	10·1	...	50°095	-37°538	-5	...	...
...	56°664	-49°723	-5	...	...	...	52°943	+28°241	0·70	...	...	...	50°066	-43°065	-5	...	...
3I	...	...	...	...	...	71	...	...	...	...	...	111	...	...	...	...	...
...	-56°535	+58°539	0·90	43·8484	9·8	...	-52°934	+50°035	1·00	43·8490	10·0	...	-50°043	+48°644	-5	...	...
...	56°482	+0°440	-4	...	...	...	52°848	+43°290	-4	...	...	...	50°012	+41°955	-5	...	...
...	56°359	-44°862	-5	...	...	*	52°848	+13°479	1·10	43·8488	9·6	...	50°003	+28°852	-5	...	...
...	56°348	+52°669	-5	...	...	*	52°817	+49°812	1·25	43·8491	9·6	...	49°738	-26°036	-5	...	...
...	56°263	+27°303	0·80	43·8483	10·0	...	52°727	-12°294	-3	...	...	...	49°583	+46°307	-5	...	...
...	-56°041	-48°640	-5	*	-52°723	+15°370	0·95	43·8489	9·8	...	†	-49°516	+23°896	-3
...	55°900	-55°674	-5	...	...	†	52°688	+4°810	-5	...	...	†	49°426	+37°348	-5	...	...
...	55°807	-27°698	-5	...	...	...	52°499	+13°154	-2	...	...	...	49°406	+34°177	-4	...	...
...	55°568	-16°224	-4	...	...	...	52°237	-39°885	-5	...	...	...	49°379	-28°152	-4	...	...
...	55°545	+11°859	-2	...	...	...	52°225	-1°013	-2	...	...	...	49°250	-31°531	-4	...	...

MC measured from 1, 117, 223, 339, 446, 556, 660, 746, 842, 946, 1066, 1211.
 ES ,, ,, 48, 164, 283, 393, 498, 607, 706, 794, 895, 1002, 1147, 1264.

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.				
	x.	y.	-4.	No.	Mag.	x.	y.		-4.	No.	Mag.	x.	y.	-4.	No.		Mag.	x.	y.	-4.	No.	Mag.	x.	y.	-4.	No.	Mag.
121-180						181-240						241-300														
121	181	241
...	-49·219	+45·714	-4	-43·379	-28·287	-5	-38·369	+22·035	-5
...	49·099	+19·293	-4	43·358	+20·688	-3	38·230	-43·805	-5
...	48·787	+54·395	-4	43·281	-33·064	-5	38·169	-13·411	-4
...	48·772	+1·532	-3	43·144	-37·273	-5	38·105	-14·698	-2
...	48·687	-9·213	-3	...	...	...	43·057	-11·618	0·70	44·9008	10·0	*	...	...	...	...	...	37·984	+47·282	1·00	43·8496	9·6	...	...	...
...	-48·549	+7·409	-4	...	...	...	-43·016	-28·440	-5	...	...	...	...	...	...	...	...	-37·928	-14·199	0·65	44·9013	10·1	...	...	...
...	48·468	+3·432	-4	...	...	...	42·955	+2·517	-5	M	...	...	...	...	...	...	...	37·884	-45·168	0·80	44·9012	10·1	...	...	...
...	48·353	-27·957	-3	...	...	...	42·860	-30·423	-5	...	...	...	...	...	...	...	...	37·853	+34·169	-4	...	...	...	...	...
...	48·318	-52·643	-2	...	...	...	42·810	-21·204	-1	...	...	...	...	...	...	...	...	37·480	-57·559	-5	...	...	...	...	...
...	48·187	-54·633	-1	44·9005	10·1	*	42·737	-46·406	1·05	44·9007	9·6	...	...	...	...	...	...	37·439	-14·524	-5	...	...	...	...	...
131	191	251	S*	-37·171	+46·074	2·80	43·8497	7·8
...	-48·185	-50·470	-4	...	...	...	-42·537	-39·090	-5	...	...	...	...	...	...	...	...	37·089	-4·266	-4	...	...	...	...	...
...	48·059	+12·928	-4	...	...	...	42·325	+2·624	-2	...	...	...	...	...	...	...	...	36·984	-51·713	-4	...	...	...	...	...
...	47·787	+34·896	-1	...	...	...	42·227	-11·990	-5	...	...	...	...	...	...	...	...	36·966	-56·377	1·00	44·9014	9·8	...	...	...
...	47·493	+23·671	-3	...	...	...	42·190	-26·527	-5	...	...	...	...	...	...	...	...	36·775	+21·532	-5	M	...	...	...	...
...	47·457	-6·466	-3	...	...	...	41·776	+36·709	-3	...	...	...	...	...	...	...	...	-36·717	+36·541	-4	...	...	...	...	...
...	-47·385	+41·968	-5	...	...	...	-41·745	-8·464	-3	...	...	...	...	...	...	...	...	36·683	-11·676	-5	...	...	...	...	...
...	47·335	-54·651	-5	...	...	...	41·712	+27·745	-5	...	...	...	...	...	...	...	...	36·500	+24·002	-5	...	...	...	...	...
...	47·141	+7·597	-3	...	...	...	41·599	+17·365	-5	...	...	...	...	...	...	...	...	36·305	+23·177	-5	...	...	...	...	...
...	46·972	-38·430	-5	...	...	...	41·590	+46·523	-5	...	...	...	...	...	...	...	...	36·269	-14·959	1·60	44·9015	8·8	...	...	...
...	46·957	+40·712	-5	...	...	201	41·391	-21·013	-1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
141	...	...	...	...	...	...	-41·314	+14·366	-5	...	...	...	...	...	...	...	...	-36·199	+9·733	-4	...	...	...	...	...
...	-46·942	-19·123	-4	...	...	...	41·253	+16·419	-5	...	...	...	...	...	...	...	...	36·077	-15·477	-4	...	...	...	...	...
...	46·810	+55·865	-1	...	...	...	41·231	-48·373	-5	...	...	...	...	...	...	...	...	36·056	+53·441	-5	...	...	...	...	...
...	46·794	-21·658	-4	...	...	...	41·220	-38·933	-5	...	...	...	...	...	...	...	...	35·983	-30·645	0·65	...	...	...	...	...
...	46·636	+50·816	-1	...	...	...	41·218	+42·655	-5	...	...	...	...	...	...	...	...	35·949	+28·076	1·00	43·8498	9·6	...	...	...
...	46·466	+10·216	-4	...	...	...	-41·172	+21·335	-5	...	...	...	...	...	...	...	...	-35·866	+42·624	-4	...	...	...	...	...
...	-46·463	-17·599	-5	...	...	...	41·056	-22·291	0·80	44·9009	10·0	...	...	...	...	...	...	35·838	-12·599	-4	...	...	...	...	...
...	46·459	-30·550	-4	...	...	...	41·026	-59·626	-4	...	...	...	...	...	...	...	...	35·826	+31·746	1·10	43·8499	9·6	...	...	...
...	46·384	-8·841	-5	...	...	...	40·814	-39·195	-2	...	...	...	...	...	...	...	...	35·716	+53·225	-1	...	...	...	...	...
...	46·305	-40·367	-5	...	...	...	40·766	+32·964	-5	...	...	...	...	...	...	...	...	35·676	-44·921	-4	...	...	...	...	...
...	46·160	+8·126	-4	...	...	211	-40·760	-7·943	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
151	...	...	...	...	...	...	40·755	+43·229	-2	...	...	...	...	...	...	...	...	-35·667	+41·782	-3	...	...	...	...	...
...	-46·029	-26·124	-5	...	...	...	40·709	-29·422	-3	...	...	...	...	...	...	...	...	35·606	+2·131	-3	...	...	...	...	...
...	45·555	-8·821	-5	...	...	...	40·633	-14·247	-5	...	...	...	...	...	...	...	...	35·596	+3·647	-5	M	...	...	...	...
...	45·391	+1·575	-4	...	...	...	40·634	-52·645	-5	...	...	...	...	...	...	...	...	35·589	-30·306	-4	...	...	...	...	...
...	45·288	+3·268	-4	...	...	...	40·494	-51·111	-5	...	...	...	...	...	...	...	...	S*	35·528	-40·724	2·15	44·9016	8·2	...	...
...	45·244	-50·775	-5	...	...	...	-40·292	+51·111	-5	...	...	...	...	...	...	...	...	...	35·202	-57·790	-4	...	...	...	...
...	-45·221	+30·553	-3	...	...	...	40·281	-42·294	-5	A	...	...	...	...	...	...	...	S*	35·162	+13·907	2·30	43·8500	8·1	...	...
...	45·100	-19·993	-1	...	...	...	40·149	+45·851	-5	...	...	...	...	...	...	...	...	*	35·112	+34·796	0·90	43·8501	9·6	...	...
...	45·039	-51·257	-5	M	...	...	39·980	-54·540	-2	...	...	...	...	...	...	...	...	...	34·989	+43·443	-5	...	...	...	...
...	45·022	+44·570	-3	...	...	...	39·897	-48·674	-5	A	...	...	...	...	...	...	...	...	34·901	-57·002	-5	...	...	...	...
...	44·944	-5·208	1·10	44·9006	9·5	221	-39·727	-12·314	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
161	...	...	...	...	...	...	39·650	+2·802	-1	...	...	...	...	...	...	...	...	...	-34·759	+6·573	-1	...	...	...	...
...	-44·829	-47·904	-4	...	...	...	39·469	+19·313	-1	...	...	...	...	...	...	...	...	...	34·676	-11·802	0·80	44·9018	10·0	...	...
...	44·733	-15·992	-5	...	...	...	39·282	+19·627	-5	...	...	...	...	...	...	...	...	...	24·466	-42·491	-5	...	...	...	...
...	44·646	+21·731	-4	...	...	...	39·240	+32·022	-3	...	...	...	...	...	...	...	...	...	34·346	+29·569	-2	...	...	...	...
...	44·467	-14·041	-4	...	...	...	-39·200	-31·671	1·40	44·9010	9·0	*	...	...	...	...	...	34·234	-51·395	1·15	44·9017	9·6	...	...
...	44·267	+16·925	-5	...	...	...	39·181	-46·481	-5	M	...	...	...	...	...	...	...	...	-34·216	-58·724	-4	...	...	...	...
...	-44·129	+17·104	0·70	...	...	...	39·144	+47·081	0·80	43·8494	10·0	...	...	...	...	...	...	34·211	-42·097	-5	...	...	...	...
...	44·016	+3·220	1·00	43·8493	9·8	...	39·118	-22·406	-5	...	...	...	...	...	...	...	...	...	34·198	-1·722	-5	...	...	...	...
...	44·014	-46·572	-5	...	...	...	39·012	-14·899	-4	...	...	...	...	...	...	...	...	...	34·184	+27·691	-4	...	...	...	...
...	44·007	-49·842	-5	...	...	231	-38·977	+37·695	-3	...	...	...	...	...	...	...	...	...	34·145	+16·276	-5	...	...	...	...
...	43·966	-1·751	-5	...	...	...	38·940	+43·046	-5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
171	...	...	...	...	...	...	38·898	-26·310	-4	...	...	...	...	...	...	...	...	...	-34·038	-7·546	-4	...	...	...	...
...	-43·941	+48·599	-1	...	...	...	38·885	-46·905	-4	...	...	...	...	...	...	...	...	...	33·847	+17·274	-4	...	...	...	...
...	43·823	-48·774	-5	...	...	...	38·747	+36·945	-5																

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
301-360						361-420						421-480					
30I	...	...	...	...	...	36I	...	...	...	...	...	42I	...	...	...	...	...
...	-33.245	-18.278	-4	...	...	...	-27.860	+41.025	-5	...	...	...	-21.698	-0.007	-4	α	...
...	33.164	-43.468	-5	...	...	...	27.711	-31.871	-5	...	...	...	21.642	+51.665	-5	...	...
...	33.091	+2.160	0.65	43.8503	10.1	...	27.640	+40.454	-5	...	...	...	21.604	+20.664	-4	...	...
...	33.074	-10.548	-5	...	...	*	27.595	-34.396	1.00	44.9028	9.6	...	21.468	-57.839	-4	...	...
...	32.976	-32.431	-5	...	...	*	27.391	-54.786	1.20	44.9027	9.4	...	21.458	-26.145	-3	...	...
...	-32.969	+2.145	-5	...	...	...	-27.359	+4.426	-5	...	...	...	-21.389	+36.700	-4	...	...
...	32.934	+43.111	-5	...	...	...	27.335	+17.504	-2	...	...	...	21.387	+26.763	-5	...	...
...	32.852	+39.614	-4	...	...	...	27.286	-46.952	-4	...	...	...	21.321	-55.158	-5	...	...
...	32.664	-33.712	-5	...	...	*	26.972	+55.062	1.00	43.8511	9.6	...	21.246	-26.016	-5	...	...
...	32.562	+59.379	-5	...	...	...	26.959	-38.677	-4	...	...	...	21.227	-7.266	-5	...	...
31I	...	...	...	...	...	37I	...	...	...	...	...	43I	...	...	...	...	...
...	-32.198	-4.919	-5	...	...	...	-26.791	-59.418	-5	...	...	...	-21.018	-24.064	0.65	...	...
...	32.180	+18.251	-3	...	...	...	26.412	+48.548	-4	...	...	...	20.934	+45.956	-5	...	...
*	32.137	-29.267	1.15	44.9019	9.6	...	26.375	+36.324	-4	...	...	*	20.591	+46.983	0.95	43.8514	10.0
*	32.069	+52.835	1.05	43.8504	9.6	...	26.211	-4.399	-3	...	...	...	20.566	-31.058	-5	...	...
...	31.867	+24.981	-5	...	...	...	25.799	-26.081	-5	...	...	...	20.538	+52.350	-1	...	...
...	-31.836	-47.097	-1	...	...	...	-25.675	+56.423	-1	43.8512	10.1	...	-20.432	-48.649	-4	...	...
*	31.740	-4.436	0.90	44.9020	10.0	...	25.566	-21.328	-5	...	...	...	20.329	-47.465	-5	...	...
...	31.736	-41.080	-5	...	...	...	25.467	+27.979	-3	...	...	...	20.314	-32.194	-4	...	...
...	31.590	-33.547	-5	...	...	α *	25.439	+0.158	1.10	44.9029	9.5	...	20.312	+1.784	-4	...	...
*	31.567	+49.123	2.70	43.8507	8.0	...	25.372	+20.091	-2	...	...	...	20.288	+43.336	-5	...	...
32I	...	...	...	...	...	38I	...	...	...	...	...	44I	...	...	...	...	...
*	-31.523	+17.869	1.05	43.8505	9.6	...	-25.311	+18.399	-5	...	...	...	-20.178	+34.146	-4	...	...
...	31.437	-36.141	-5	...	...	...	25.229	+31.026	-3	...	...	...	20.137	-46.455	-3	...	...
...	31.416	-20.043	-5	...	...	...	25.211	+55.054	-4	...	...	...	19.902	-8.829	-4	...	...
...	31.378	-17.456	-5	...	...	...	25.180	+18.334	-5	...	...	...	19.831	+11.486	-3	...	...
...	31.364	+36.215	-4	...	...	...	25.152	-11.137	-5	...	...	†	19.667	-42.622	0.65	44.9030	10.1
...	-31.078	+23.244	0.80	43.8506	10.1	...	-25.118	-5.374	-3	...	...	...	-19.424	+40.742	0.80	...	...
...	30.886	-37.499	-5	...	...	...	25.043	-22.010	-4	...	...	*	19.422	+33.435	0.95	43.8515	9.8
...	30.835	+46.003	-3	...	...	...	24.800	+55.748	-5	...	...	...	19.419	-12.349	-5	...	...
†	30.665	-35.059	1.70	44.9021	8.7	...	24.782	+16.967	-5	...	...	...	19.418	-37.107	-4	...	...
...	30.604	-39.347	0.65	44.9022	10.1	...	24.711	+11.495	-2	...	...	...	19.313	+34.017	-4	...	...
33I	...	...	...	...	...	39I	...	...	...	...	...	45I	...	...	...	...	...
...	-30.540	-39.596	-5	...	...	...	-24.687	-49.752	-3	...	...	...	-19.312	+1.094	-5	...	...
*	30.378	+15.748	1.15	43.8508	9.4	...	24.639	+54.387	-5	M	...	...	19.218	-24.478	-4	...	...
...	30.345	-52.703	-2	...	...	...	24.345	+39.236	0.75	...	...	...	19.012	+37.788	0.70	...	...
*	30.278	-57.024	1.70	44.9023	9.2	*	24.336	+34.320	1.10	43.8513	9.5	...	18.909	-45.246	-5	...	...
...	30.192	-46.416	-5	...	...	...	24.222	-39.851	-4	...	...	...	18.574	+47.682	-3	...	...
...	-29.884	-26.009	-4	A	...	...	-24.123	-59.835	-3	...	...	*	-18.536	+56.471	1.00	43.8517	9.6
...	29.868	-25.543	0.70	...	...	...	24.089	+15.803	-4	...	...	...	18.528	-35.323	-2	...	...
*	29.815	-30.492	0.95	44.9024	9.8	...	24.033	+32.462	-5	...	...	...	18.507	-47.394	-5	...	...
...	29.410	-14.270	-3	...	...	...	23.894	-49.861	-4	...	...	...	18.478	-14.110	-5	...	...
...	29.393	+30.535	0.70	...	...	...	23.858	+59.199	-5	...	...	...	18.458	-49.567	-4	...	...
34I	...	...	...	...	...	40I	...	...	...	...	...	46I	...	...	...	...	...
...	-29.380	-31.894	-3	...	...	...	-23.725	-7.305	-5	...	...	...	-18.385	-54.793	-4	...	...
...	29.321	+22.165	-4	...	...	...	23.647	+50.070	-4	...	...	...	18.315	+40.269	-1	...	...
...	29.193	-33.336	-2	...	...	...	23.483	-10.816	-5	...	...	...	18.111	+18.189	0.90	43.8516	10.1
...	29.067	+16.394	-3	...	...	...	23.410	-38.062	-4	...	...	...	17.979	+46.424	-5	...	...
...	29.046	-12.092	-5	...	...	...	23.389	-15.877	-5	...	...	...	17.929	-17.267	-1	44.9031	10.0
...	-29.040	-47.752	-4	...	...	...	-23.336	-38.205	-5	...	...	...	-17.913	-56.685	-5	...	...
...	28.985	+36.562	-2	...	...	...	23.229	-57.088	-5	...	...	...	17.878	-27.571	-3	...	...
...	28.923	+15.197	-5	...	...	...	23.133	-3.719	-5	...	...	...	17.843	+29.181	-5	...	...
...	28.730	-33.785	-1	44.9025	10.1	...	23.045	-42.387	-2	...	...	...	17.529	+20.082	-4	...	...
...	28.666	-29.920	-5	...	...	...	22.963	-34.141	-2	...	...	...	17.382	+8.678	-5	...	...
35I	...	...	...	...	...	41I	...	...	...	...	...	47I	...	...	...	...	...
...	-28.642	-37.233	-5	...	...	...	-22.878	+44.897	-5	...	...	...	-17.096	-22.051	-5	...	...
...	28.573	+14.700	-5	...	...	...	22.567	-35.249	-3	...	...	...	17.008	-9.551	0.80	44.9032	10.0
...	28.379	-22.159	0.90	44.9026	10.0	...	22.550	+17.738	0.65	...	...	...	16.995	-52.926	-4	...	...
...	28.374	-26.534	-4	...	...	...	22.533	-25.205	-2	...	...	...	16.968	-37.111	-2	...	...
...	28.337	-37.344	-4	...	...	...	22.530	+2.525	-5	...	...	...	16.965	-20.689	-2	...	...
...	-28.333	+6.177	0.80	43.8509	10.1	...	-22.114	+41.877	-5	...	...	...	-16.962	+52.877	-4	...	...
...	28.242	-16.943	-5	...	...	...	22.100	-49.552	-1	...	...	...	16.944	+20.887	-4	...	...
...	28.215	+35.295	-4	...	...	...	22.059	+35.588	-1	...	...	...	16.793	-15.518	-4	...	...
...	28.165	-54.753	-3	...	...	...	21.908	-42.955	-5	...	...	...	16.792	+9.626	-1	...	...
...	28.133	+8.931	0.90	43.8510	10.0	...	21.763	-45.673	-4	...	...	...	16.731	+47.391	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
481-540						541-600						601-660						
481	-16.708	+54.109	0.95	43.8518	10.0	541	-10.924	-4.446	-3	...	...	601	-5.082	-47.457	-1	...	...
...	16.382	-9.293	0.80	44.9033	10.1	...	10.878	+38.909	-3	...	...	...	5.013	-39.462	-4	...	...
...	16.371	-13.753	-5	...	...	...	10.860	-18.038	-5	...	...	...	4.902	-50.041	0.80	44.9043	10.1	
...	16.259	-5.709	-5	...	...	...	10.791	-43.657	0.70	44.9039	10.1	...	4.866	+43.545	-2	...	...
...	16.252	-23.369	-5	...	...	...	10.768	+53.238	-3	...	...	...	4.750	+34.857	-5	m	...	
...	-16.237	+46.376	-4	...	...	...	-10.700	+55.370	-5	M	...	...	-4.633	+57.749	-3	...	...
...	15.929	-55.630	-1	...	...	...	10.644	+47.553	-5	M	...	...	4.214	+49.293	-5	m	...	
...	15.900	-34.996	-1	...	...	...	10.401	+47.183	-3	...	...	...	4.207	+3.822	-3	...	...
...	15.666	-22.664	-1	...	...	...	10.323	-20.561	-5	...	...	...	4.138	-25.995	-5	...	...
...	15.522	+14.969	-5	...	...	...	10.203	-38.731	-5	...	...	...	4.012	+5.616	-5	m	...	
491	-15.521	-16.417	-4	...	...	551	-10.156	+39.103	-5	M	...	...	...	-3.931	+6.374	-3	...	...
...	15.241	+32.302	-5	...	...	...	10.083	-44.939	-1	...	...	...	...	3.923	-7.463	-3	...	...
S	15.126	-14.230	5.00	44.9034	6.9	...	10.020	-27.462	-5	...	...	...	...	3.799	-7.298	-5	...	...
*	14.987	+48.071	3.30	43.8519	7.3	...	9.851	+35.162	-3	...	...	...	...	3.691	+22.107	-5	...	...
...	14.943	+29.305	-5	...	...	...	9.669	+55.252	-4	...	...	...	...	3.644	+51.493	0.65	...	...
...	-14.915	+0.108	-5	M	...	...	-9.520	+40.045	-5	...	...	...	-	3.619	+23.210	0.80	43.8530	10.1
...	14.717	+16.791	-2	...	...	...	9.421	-7.220	-4	...	...	...	...	3.616	-38.946	-3	...	...
...	14.717	+25.481	-5	M	...	...	9.405	+32.786	-4	...	...	*	...	3.477	-39.126	1.05	44.9044	9.6
†	14.622	-45.670	0.95	44.9035	9.6	*	9.325	+20.045	0.90	43.8524	10.0	...	...	3.395	+5.293	0.85	43.8531	10.0
†	14.589	+31.839	-4	...	...	...	9.321	+50.157	-1	...	...	...	...	3.202	+45.642	-2	...	...
501	-14.481	-50.984	-2	...	...	561	-9.205	+41.258	-3	...	...	...	...	-3.161	-2.470	-5	...	...
*	14.382	-55.637	1.30	44.9036	9.2	...	9.145	+0.496	-5	M	...	...	...	3.121	-42.059	0.85	44.9045	9.6
...	14.304	-1.596	-5	...	...	...	9.097	-41.165	-4	...	...	...	...	3.044	+45.996	-3	...	...
...	14.259	-16.190	-5	...	...	...	9.075	+57.727	-4	...	...	...	...	3.039	-13.798	-5	...	...
...	13.823	-48.474	-5	...	...	...	8.924	-26.994	-2	...	...	...	...	2.959	+34.912	-5	m	...
*	-13.795	+27.351	1.05	43.8520	9.6	...	-8.902	+7.001	-4	...	...	...	-	2.958	+48.848	-5	m	...
...	13.777	-52.556	-5	...	...	...	8.834	-15.433	-5	...	...	...	...	2.749	+43.125	-5	m	...
...	13.730	+45.331	-5	M	...	...	8.794	-57.794	-4	...	...	*	...	2.599	-40.759	1.00	44.9046	9.8
...	13.652	+37.416	-4	...	...	...	8.669	-10.148	-4	...	...	†	...	2.495	-45.070	-5	...	...
...	13.471	+34.048	0.70	43.8521	10.1	...	8.660	+0.867	0.80	43.8525	10.1	...	...	2.375	+2.981	-3	...	...
511	-13.109	-17.805	1.05	44.9037	9.8	571	-8.632	+11.918	-3	...	...	631	-	2.275	+34.695	-5	m	...
*	13.043	+49.861	-3	...	...	...	8.386	-47.406	-5	...	...	...	...	2.178	+46.193	0.75	...	...
...	12.762	+40.290	-4	...	...	...	8.346	+17.800	-4	...	...	...	...	2.154	-10.831	-4	...	...
...	12.738	+31.629	-1	...	...	...	8.308	+8.778	-5	...	...	...	...	2.115	-55.044	-5	...	...
...	12.604	-20.942	-5	...	...	...	8.208	-15.284	0.90	44.9040	9.6	...	...	2.099	-24.423	-5	...	...
...	-12.570	-24.184	-5	...	...	...	-8.201	+14.658	1.00	43.8526	9.8	...	-	1.950	-7.912	-5	...	...
...	12.444	+36.813	-2	...	...	...	7.747	-42.713	-5	...	...	*	...	1.941	+22.358	2.30	43.8532	8.4
...	12.415	-35.409	0.70	...	...	...	7.708	+30.850	-5	...	...	...	...	1.817	-0.506	0.80	44.9048	10.1
...	12.384	-22.678	-5	...	...	...	7.703	-12.852	-5	...	...	...	...	1.786	+40.047	-4	...	...
...	12.367	+5.636	0.65	...	...	...	7.566	+7.619	-5	...	...	*	...	1.764	-54.426	0.90	44.9047	10.0
521	-12.348	-32.162	-5	...	...	581	-7.439	+35.438	-5	...	...	641	-	1.746	-52.325	-2	...	...
...	12.337	+40.745	-5	...	...	...	7.389	-52.138	-4	...	...	...	...	1.657	+36.859	-3	...	...
...	12.315	-37.125	-3	...	...	...	7.387	+49.710	-4	...	...	...	...	1.433	-56.154	-4	...	...
...	12.272	+15.575	-5	...	...	...	7.286	-37.035	-5	...	...	...	...	1.188	+7.259	-5	m	...
...	12.265	+22.357	-4	...	...	...	6.993	+42.745	-4	...	...	...	...	0.992	-55.963	-5	...	...
...	-12.207	-36.325	-5	...	...	...	-6.907	+0.482	0.85	43.8527	10.1	...	-	0.904	-49.447	-5	...	...
...	12.086	+6.671	-3	...	...	...	6.804	-37.588	-5	...	...	...	...	0.802	+37.849	-5	m	...
*	11.982	+42.088	1.50	43.8523	9.0	...	6.775	-21.664	-5	...	...	...	...	0.408	+32.969	-5	m	...
*	11.954	+2.295	1.50	43.8522	8.9	...	6.742	-56.263	-5	...	...	...	...	0.364	-31.587	-5	...	...
...	11.939	+53.943	-2	...	...	...	6.703	+5.442	-5	...	...	*	...	0.279	+12.289	1.30	43.8533	9.4
531	-11.915	-14.992	0.65	44.9038	10.1	591	-6.677	+46.459	-2	...	...	651	-	0.256	-9.074	-5	...	...
...	11.743	-19.767	-5	...	...	...	6.378	-59.028	0.90	44.9041	9.6	...	...	0.255	-0.569	0.90	44.9049	9.6
...	11.721	+55.470	-4	...	...	...	6.261	-5.098	-4	...	...	...	...	0.189	-6.073	-5	...	...
...	11.628	-9.454	-5	...	...	...	5.765	-26.533	-5	...	...	...	...	0.128	+11.631	-4	...	...
...	11.616	+45.519	-5	...	...	...	5.751	+40.732	0.65	43.8529	10.1	...	...	0.116	+23.657	-5	m	...
...	-11.535	+42.210	-5	...	...	...	-5.538	+15.258	0.90	43.8528	10.0	...	...	-0.067	-44.732	-4	...	...
...	11.506	-46.117	-5	...	...	...	5.449	-39.712	1.00	44.9042	9.6	...	...	+0.045	+11.889	-5	m	...
...	11.348	+45.185	0.65	...	...	...	5.413	+13.589	-4	...	...	...	...	0.060	+13.461	-4	m	...
...	11.221	+17.569	-5	...	...	...	5.204	-10.560	-4	...	...	...	...	0.193	-19.587	0.80	44.9050	10.0
...	11.219	+54.785	-5	...	...	...	5.096	+44.928	-5	...	...	...	...	0.454	-17.981	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
661-720						721-780						781-840					
661						721						781					
S*	+ 0.671	-35.748	2.10	44.9051	8.3	...	+ 7.031	+36.417	- 2	o	...	...	+14.570	+47.111	- 4	o	b
*	0.727	+26.324	1.00	43.8534	10.1	...	7.172	-46.516	- 4	...	...	...	14.591	+26.054	- 4	...	...
...	0.769	+31.509	- 4	m	...	...	7.218	+38.205	- 5	m	...	...	14.591	-26.823	- 5	...	...
*	0.833	-34.996	1.80	44.9052	8.7	...	7.235	-28.604	- 1	...	...	...	14.638	-31.515	- 4	...	...
...	0.903	+26.639	- 5	m	...	...	7.299	+40.079	- 5	m	...	...	14.651	+56.263	- 5	m	...
+	0.906	-44.920	- 5	...	...	+	7.747	-47.440	- 5	...	...	+	14.663	-59.988	0.85	45.9221	10.0
*	1.097	+50.502	1.00	43.8535	9.6	...	8.018	-48.933	- 3	...	...	S*	14.699	-46.094	1.40	44.9060	8.8
...	1.369	+25.384	- 5	m	...	...	8.060	-59.804	0.65	...	...	...	14.723	-53.811	- 4	...	...
...	1.406	+56.548	- 3	...	...	...	8.084	-27.888	0.65	...	...	*	14.870	-21.003	1.00	44.9061	9.6
...	1.414	+39.295	- 4	...	...	...	8.191	-43.697	- 5	...	...	...	14.908	+48.197	- 5	m	...
671						731						791					
...	+ 1.706	- 7.147	- 5	...	...	...	+ 8.377	-58.888	- 5	...	...	...	+14.909	-34.943	- 1	...	...
...	1.810	-28.912	- 5	...	...	...	8.439	+40.346	- 5	m	...	...	15.204	-38.603	- 4	...	...
...	1.813	- 8.171	- 5	...	...	...	8.507	-35.771	- 3	...	...	...	15.218	+ 7.432	- 4	b	...
...	1.826	+28.767	- 4	...	...	...	8.809	+49.185	- 5	m	...	...	15.450	+56.808	0.75	...	...
...	1.998	-39.692	- 3	...	...	...	8.815	-34.384	- 5	...	...	...	15.451	-52.994	- 5	...	...
+	2.248	+26.923	- 5	m	...	+	8.930	-39.307	- 5	...	...	+	15.607	+57.084	- 1	...	...
...	2.295	-56.942	- 2	...	...	...	9.009	+46.148	- 4	a	...	...	15.684	-27.309	- 4	...	...
...	2.460	- 3.118	- 5	...	...	...	9.301	+36.453	- 3	...	...	...	15.843	-36.640	- 2	...	...
...	2.467	-30.396	- 3	...	...	...	9.344	-54.863	- 5	...	...	...	15.939	+33.116	- 3	...	...
...	2.501	-43.330	- 5	...	...	...	9.558	+12.206	- 4	...	...	...	16.338	+55.354	- 4	...	...
681						741						801					
*	+ 2.650	+39.128	1.10	43.8536	9.5	...	+ 9.634	-12.391	- 1	...	...	...	+16.366	-58.746	- 5	...	...
...	2.860	-27.334	- 5	...	...	...	9.706	+47.906	- 5	m	...	...	16.481	- 9.967	- 5	...	...
...	2.922	+25.977	- 5	m	...	...	9.791	-11.914	- 3	...	...	...	16.612	-53.780	- 5	m	...
...	2.961	+54.166	0.65	...	...	...	9.937	+16.058	- 3	...	...	...	16.728	+12.613	- 5	mi	...
...	3.079	+47.117	- 5	Mm	...	...	9.984	- 1.613	- 1	...	...	...	16.729	- 5.977	- 5	...	...
+	3.086	-51.836	- 5	...	...	+	10.324	-46.440	- 5	...	...	+	16.793	+48.240	- 1	...	...
*	3.149	-35.213	1.60	44.9053	8.8	...	10.404	-17.974	- 5	...	...	...	16.902	+37.185	- 5	m	...
...	3.157	-22.850	- 4	...	...	...	10.421	+53.741	- 5	m	...	...	16.954	-17.107	- 5	...	...
...	3.215	+55.300	- 4	...	...	...	10.460	-43.848	- 5	...	...	...	16.974	+36.589	- 5	m	...
...	3.284	+32.121	- 2	...	...	...	10.670	+51.190	- 4	b	...	...	17.018	+46.384	- 4	...	...
691						751						811					
...	+ 3.385	-59.853	- 3	...	...	...	+10.785	+50.308	- 2	...	...	*	+17.072	-35.853	1.05	44.9062	9.6
*	3.466	-35.823	0.90	44.9054	9.6	N	10.922	-45.542	- 1	...	...	...	17.150	-17.355	- 5	...	...
S*	3.496	+28.523	2.60	43.8537	8.1	...	10.926	-32.517	- 1	44.9056	10.1	*	17.202	+36.112	1.30	43.8543	9.0
...	3.715	+54.038	- 4	...	...	...	11.046	-31.400	- 5	...	...	...	17.366	+53.892	- 3	...	...
...	3.797	+5.649	- 5	Mm	...	...	11.062	-44.106	- 2	...	...	...	17.429	+31.784	- 5	m	...
+	3.880	+20.668	- 4	m	...	...	+11.203	+32.093	- 3	...	...	...	+17.471	+48.098	- 5	m	...
†	3.977	- 5.178	- 5	...	...	...	11.238	+ 0.576	- 4	b	...	...	17.770	+52.408	- 5	m	...
...	4.169	+ 5.464	- 2	...	...	...	11.356	+54.570	- 4	...	...	...	17.888	+33.339	- 2	...	...
...	4.446	+20.234	- 5	m	...	*	11.414	-59.116	1.80	44.9057	8.4	...	18.031	+47.983	- 1	...	...
...	4.530	+42.850	- 4	m	...	...	11.530	-53.206	- 2	...	...	...	18.139	-25.792	- 3	...	...
701						761						821					
S*	+ 4.617	+54.393	2.05	43.8538	8.2	...	+12.135	+16.160	- 2	...	...	...	+18.407	+11.693	- 5	m	...
...	4.618	+46.650	- 5	m	...	...	12.351	+34.526	- 5	m	...	*	18.483	+ 6.802	1.25	43.8544	9.4
*	4.944	-53.824	0.90	44.9055	10.0	...	12.673	-36.042	0.65	44.9058	10.1	*	18.487	+15.244	1.10	43.8545	9.6
...	5.196	-23.481	- 5	...	...	...	12.827	-34.189	- 5	...	...	...	18.790	- 2.734	- 5	...	...
...	5.246	+48.238	- 1	...	...	...	12.976	+51.466	1.00	43.8541	9.6	...	18.792	- 2.289	- 5	...	...
+	5.669	+36.504	- 4	...	...	...	+13.021	-27.934	- 5	...	...	...	+18.799	-28.350	- 5	...	...
...	5.888	-13.740	- 1	...	...	...	13.064	-57.621	- 4	...	...	...	18.834	+58.609	0.85	43.8546	10.1
...	5.897	-46.343	- 5	...	...	...	13.124	-48.706	- 5	...	...	...	18.914	+15.082	- 4	...	...
...	5.952	+ 1.245	- 5	m	...	...	13.260	-42.308	- 4	...	...	...	19.068	+15.250	- 5	m	...
...	6.106	+50.529	- 5	m	...	...	13.674	+51.933	- 5	m	...	...	19.125	+39.970	0.65	...	...
711						771						831					
...	+ 6.220	+23.135	- 4	...	...	...	+13.869	+39.884	- 5	m	...	...	+19.206	+59.423	- 2	...	...
*	6.296	+ 7.847	1.25	43.8539	9.3	...	13.870	+ 6.025	- 3	...	...	...	19.231	+17.762	- 2	43.8547	10.1
...	6.328	-38.511	- 4	...	...	*	13.992	+54.712	1.00	43.8542	9.6	...	19.393	-48.932	- 5	...	...
...	6.364	+11.100	0.95	43.8540	9.8	...	14.063	-10.447	- 1	44.9059	10.1	...	19.438	-20.624	- 5	...	...
...	6.370	+ 1.898	- 5	m	...	...	14.069	-44.427	- 5	...	...	...	19.487	+53.354	- 5	m	...
+	6.377	+49.539	- 4	b	...	...	+14.077	+46.520	- 3	a	...	+	19.583	-40.529	- 4	...	...
...	6.434	-37.320	- 1	...	...	...	14.394	-29.261	- 3	...	...	...	19.637	-34.021	- 5	...	...
...	6.490	-51.098	- 5	...	...	...	14.415	-34.810	- 3	...	...	...	19.653	+25.353	- 5	m	...
...	6.579	+ 4.085	- 4	b	...	...	14.474	- 2.760	- 2	...	...	...	19.812	-50.420	- 2	...	...
...	6.661	-18.034	- 3	...	...	...	14.495	-46.382	- 1	...	...	...	19.918	- 7.603	- 3	...	...

752. No sign of duplicity; 45° 110, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
841-900																	
841	+20°050	-46°943	-2	...	...	901	+25°953	-9°400	-5	...	...	961	+31°645	+32°318	-4	°b	...
...	20°418	+45°711	-4	...	...	...	25°967	-23°125	-2	...	...	...	31°683	+48°564	-5	m	...
...	20°438	+18°304	0.65	...	...	...	26°225	+13°888	-3	...	...	...	31°734	-27°614	-3	...	...
...	20°442	+44°929	-5	m	...	...	26°405	+19°197	-5	m	...	...	31°790	+22°875	-4	b	...
...	20°606	+4°095	-5	m	...	*	26°415	-37°541	1.15	44.9069	9.4	...	31°860	+39°443	-4	d	...
...	+20°914	-48°938	-4	...	...	*	+26°486	-26°105	1.05	44.9070	9.6	*	+32°021	-29°937	1.05	44.9075	9.4
...	20°926	+42°750	-4	b	...	...	26°595	+26°933	-4	a	...	*	32°268	-30°756	1.20	43.8562	9.3
...	20°938	-18°324	-4	...	...	...	26°891	-40°917	-5	m	...	...	32°276	+36°010	-5	m	...
...	20°970	-51°892	-3	...	...	...	26°908	+50°328	-4	a	...	...	32°711	+30°785	-5	m	...
...	21°022	-49°373	-5	...	...	...	26°942	+55°361	-5	m	...	...	32°729	-15°810	-4	...	...
851																	
...	+21°093	+31°589	-5	m	...	911	+27°087	+13°304	-5	m	...	971	+32°743	-29°373	-5	...	...
...	21°170	-49°235	-3	...	...	...	27°173	-41°927	-3	...	...	...	32°773	-1°182	-4	...	...
...	21°245	+43°138	-5	m	...	...	27°332	+44°541	-5	m	...	...	32°948	-14°013	-1	...	...
*	21°297	-59°028	0.90	44.9063	9.6	...	27°391	+48°124	-5	m	...	...	32°956	-0°609	4	...	...
†	21°431	-10°204	-4	...	...	...	27°418	+2°656	-4	...	...	...	33°164	+59°139	-5	m	...
...	+21°443	+24°808	-5	m	...	...	27°452	-36°846	-5	...	...	...	+33°183	+51°299	-3	...	...
...	21°548	+8°734	0.80	43.8548	9.6	...	27°587	-2°445	-2	...	...	...	33°220	-55°216	-5	...	...
...	21°673	-59°228	-4	...	...	...	27°621	+0°283	-5	...	...	...	33°250	+52°649	-5	m	...
...	21°682	+9°677	-3	...	...	...	27°670	-41°174	-5	...	...	...	33°332	-13°796	-3	...	...
...	21°694	+46°992	-5	m	...	...	27°760	-35°066	-5	...	...	...	33°341	-31°012	-5	m	...
861																	
...	+21°697	+45°150	-4	...	...	921	+27°802	-37°178	-2	...	...	981	+33°631	-20°843	-4	b	...
*	21°831	+31°412	1.00	43.8549	9.6	...	27°920	-48°698	-4	...	...	...	33°667	-4°774	-2	...	...
*	21°870	+30°676	1.00	43.8550	9.6	...	27°934	-31°471	0.75	44.9071	10.1	...	33°678	+33°428	-4	b	...
...	21°898	+42°949	-5	m	...	...	28°056	+15°765	1.00	43.8555	9.8	*	33°730	+4°000	1.50	43.8563	8.9
...	21°934	-28°420	-4	...	...	...	28°071	+46°647	-5	m	...	...	33°914	+36°948	-5	m	...
...	+22°058	+45°905	0.80	...	...	...	28°131	-46°734	-4	...	...	...	+34°004	+37°228	-1	...	...
*	22°363	+54°916	1.00	43.8551	9.5	*	28°368	+18°371	1.05	43.8556	9.6	...	34°147	-15°283	-4	...	...
...	22°646	-56°019	-4	...	...	...	28°556	-0°631	-3	...	...	...	34°251	-32°804	-4	...	...
...	22°740	-1°745	-4	...	...	...	28°560	+6°263	-5	m	...	...	34°273	-16°699	-4	...	...
...	22°833	+26°319	-4	a	...	...	28°573	+26°026	-3	...	...	...	34°347	-42°070	-5	...	...
871																	
*	+23°040	-54°252	1.00	44.9064	9.6	931	+28°583	+57°162	0.80	...	...	991	+34°400	-24°962	1.20	44.9077	9.3
...	23°236	-0°034	-5	m	...	...	28°703	+40°245	-5	m	...	...	34°427	+2°241	-2	...	...
...	23°342	-12°830	-3	...	...	*	28°879	+43°444	1.15	43.8557	9.6	S*	34°445	-7°215	2.20	44.9076	8.2
...	23°358	+57°182	-5	m	...	...	28°957	-26°881	-5	...	...	*	34°485	-33°149	1.00	44.9078	9.6
...	23°382	+53°888	-5	m	...	...	29°336	-51°266	-5	...	...	...	34°605	+26°114	-4	b	...
...	+23°424	-1°255	-4	...	...	*	+29°350	-41°928	1.05	44.9072	9.5	...	+34°696	+59°521	-4	b	...
...	23°437	-51°599	-5	...	...	...	29°445	-25°888	-3	...	...	...	34°888	-58°836	-4	b	...
N*	23°451	-30°286	0.95	44.9065	9.4	...	29°597	-26°009	-5	...	...	...	34°936	+1°843	-2	...	...
...	23°621	-58°245	-3	...	...	*	29°764	+3°154	1.60	43.8558	9.0	...	34°993	-2°908	-3	...	...
*	23°633	-47°133	1.00	44.9066	9.5	...	29°793	-56°409	-5	...	...	...	35°110	+34°511	-4	...	...
881																	
...	+23°931	-35°992	-5	...	...	941	+29°894	-13°232	-5	...	...	1001	+35°152	-24°828	-5	m	...
...	24°021	+37°167	-5	m	...	...	29°900	+6°114	-4	...	...	...	35°299	-51°507	-5	...	...
...	24°143	+59°476	-4	...	...	...	29°989	-57°310	-5	...	...	...	35°330	-15°054	-4	...	...
*	24°171	+33°870	0.90	43.8552	10.0	...	29°991	-18°695	-4	...	...	*	35°346	-19°368	1.00	44.9079	9.6
...	24°209	-16°011	-2	...	...	...	30°042	+44°730	1.30	43.8559	9.0	...	35°529	+37°233	-4	...	...
...	+24°460	+38°681	-2	...	...	...	+30°429	-9°495	0.65	44.9073	10.1	...	+35°562	+40°098	-5	m	...
...	24°494	+27°711	-4	...	...	...	30°507	+31°689	-4	b	...	...	35°759	-59°881	-5	...	...
...	24°504	-3°444	-4	...	...	...	30°679	+24°131	-5	m	...	...	35°889	-30°419	-4	...	...
...	24°522	-17°670	-2	...	...	...	30°693	-55°386	-5	...	...	*	35°899	+20°592	1.25	43.8564	9.4
...	24°965	+6°087	-4	b	...	...	30°736	-12°656	-4	...	...	...	36°006	+34°523	-5	m	...
891																	
...	+24°997	-41°604	-4	...	...	951	+30°773	-56°128	-4	...	...	1011	+36°016	+6°264	0.75	43.8565	10.1
...	25°119	+39°861	-3	...	...	*	30°841	+1°073	0.90	43.8560	9.6	...	36°055	-3°747	-5	...	...
*	25°178	-46°901	0.95	44.9067	9.6	...	30°961	-36°267	0.95	44.9074	9.8	...	36°079	+44°380	0.05	...	...
†	25°293	+59°072	-4	a	...	...	31°044	+27°242	-1	43.8561	10.1	...	36°154	+38°150	-5	m	...
...	25°306	-47°169	-4	...	...	...	31°200	-48°272	-3	...	...	...	36°315	+54°163	-4	...	...
...	+25°350	-26°118	-5	...	...	...	+31°203	-13°429	-4	...	...	...	36°462	-5°001	-5	...	...
...	25°444	+1°286	0.70	43.8553	10.1	...	31°294	+17°528	-3	...	...	...	36°559	+51°936	-5	m	...
*	25°617	-27°234	0.90	44.9068	10.0	...	31°334	+26°015	-4	b	...	...	36°595	-9°109	-2	...	...
...	25°796	+56°399	0.95	43.8554	10.1	†	31°540	+49°627	-4	a	...	...	36°639	-0°677	-4	...	...
...	25°932	+27°082	-5	m	...	...	31°634	-5°823	-2	...	...	...	36°741	-10°535	-4	b	...

8-8, Mass. 45° 110, two stars.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1021-1080						1081-1140						1141-1200					
1021	+36.779	-49.894	0.70	...	...	1081	+41.332	+23.480	1.00	43.8576	9.8	1141	+45.040	-2.221	-5	...	...
...	36.794	-0.355	-4	α	...	...	41.378	-35.740	-2	...	...	...	45.044	+10.584	-4	...	...
...	36.825	+16.129	-5	m	...	...	41.386	+28.919	-4	b	...	...	45.044	-7.845	-5	...	...
...	36.847	-23.047	-3	...	...	...	41.421	-28.333	-3	...	...	...	45.066	+10.515	-5	m	...
...	36.854	+41.631	-4	...	...	...	41.587	-52.993	-2	...	...	...	45.071	+8.038	-3	...	...
...	+36.908	-8.665	-5	...	...	...	+41.675	-43.946	-1	...	...	...	+45.130	+0.653	-4	b	...
...	36.982	+25.295	-4	...	...	...	41.687	+48.060	1.00	43.8577	9.8	...	45.346	-51.969	-4	...	...
*	37.275	+17.024	1.00	43.8566	9.5	...	41.689	-34.039	-4	...	...	...	45.370	+18.240	-5	m	...
S*	37.292	-55.966	1.70	44.9080	8.8	...	41.698	-9.404	-4	...	...	...	45.395	-15.686	-4	...	...
...	37.379	-36.967	-1	...	...	...	41.932	+19.622	-4	b	...	...	45.615	-19.102	-3	...	...
1031	+37.622	+57.509	0.95	43.8567	10.0	1081	+42.072	+12.826	-5	m	...	1141	+45.640	-54.399	-5	...	...
...	37.663	-3.730	0.90	44.9081	10.0	...	42.138	+26.896	-4	b	...	...	45.678	+6.539	-3	...	...
...	37.664	-42.697	-5	...	...	...	42.155	+11.590	-4	b	...	...	45.969	+54.282	-5	m	...
...	37.785	+6.978	-5	m	...	...	42.200	-31.837	-4	...	...	...	45.978	+44.148	0.70	...	...
...	37.803	+35.732	0.80	...	...	...	42.222	-34.273	-5	...	...	...	46.018	-31.715	-4	...	...
...	+37.852	-33.643	0.80	44.9082	10.1	...	+42.319	-19.170	-5	...	...	...	+46.063	+53.364	-5	m	...
*	37.909	+17.685	1.20	43.8568	9.2	...	42.369	-19.222	-3	...	...	...	46.166	+13.895	-5	m	...
*	38.047	-32.002	1.20	44.9083	9.4	*	42.799	+58.494	1.00	43.8578	9.6	...	46.280	+0.720	-5	m	...
...	38.106	-56.957	-5	...	...	...	42.822	+49.431	-4	b	...	...	46.290	-54.593	-5	...	...
...	38.287	-24.626	-5	...	...	...	42.834	-0.941	1.00	44.9087	9.4	...	46.293	+0.972	-2	...	...
1041	+38.305	+28.244	2.00	43.8569	8.6	1101	+42.841	+39.036	-2	...	...	1141	+46.339	-53.652	1.60	44.9090	9.2
...	38.417	+42.421	-4	...	...	...	42.872	+7.516	-2	...	...	...	46.415	+31.784	-4	b	...
...	38.433	-28.482	-4	...	...	...	42.878	-0.162	-5	m	...	*	46.509	+49.092	1.05	43.8581	10.0
...	38.435	-33.116	-5	...	...	...	42.890	+9.619	-4	b	...	...	46.542	-37.239	-5	...	...
...	38.490	-46.901	-5	...	...	...	43.037	+9.158	-2	...	...	...	46.543	+34.249	-5	m	...
...	+38.625	-48.319	-4	...	...	...	+43.086	-2.033	1.30	44.9088	9.2	...	+46.597	-30.940	-4	...	...
...	38.635	+16.297	-5	m	...	*	43.131	-53.257	0.95	44.9089	9.8	...	46.802	+39.821	-5	m	...
...	38.878	-0.549	-3	...	...	...	43.226	-27.738	-4	...	...	...	46.886	+14.514	-2	...	...
...	39.056	-21.316	-4	...	...	...	43.383	-48.437	-4	...	...	...	46.963	-18.722	-5	...	...
...	39.146	+37.304	-3	...	...	...	43.389	-8.257	-1	...	...	...	46.968	-3.680	-2	...	...
1051	+39.233	-4.572	-3	...	...	1111	+43.439	+36.641	-5	m	...	1141	+47.119	+7.436	-5	m	...
...	39.276	+36.461	-5	m	...	...	43.576	-40.976	-1	...	...	...	47.158	+13.362	-5	m	...
†	39.407	-20.193	-5	...	...	*	43.630	-6.528	0.80	...	...	...	47.214	-1.861	-5	...	...
...	39.470	-9.751	-2	...	...	...	43.641	-47.595	-5	...	...	...	47.255	-18.934	-5	...	...
...	39.580	+39.142	-4	b	...	...	43.667	-38.967	-5	...	...	...	47.326	+41.612	-5	m	...
*	+39.630	+9.373	1.25	43.8570	9.4	...	+43.689	-44.681	-5	...	...	...	+47.507	-46.651	-5	...	...
*	39.698	-56.072	1.25	44.9085	9.4	...	43.721	+41.448	-5	m	...	...	47.574	+40.867	-5	m	...
*	39.700	-8.914	1.15	44.9084	9.4	...	43.729	+6.864	-5	m	...	...	47.610	-25.958	-5	...	...
...	39.735	+46.140	-1	...	...	...	43.734	-33.028	-5	...	...	...	47.681	+2.577	-3	...	...
*	39.769	+30.356	1.10	43.8571	9.8	...	43.774	-36.687	-4	...	...	...	47.937	-18.765	-5	...	...
1061	+39.809	-9.282	-3	...	...	1121	+43.882	-55.650	-4	...	...	1141	+47.941	+0.118	-4	...	...
...	40.000	-31.123	-2	...	...	...	43.891	+53.563	-4	...	...	...	48.069	+31.192	-5	m	...
...	40.017	+30.306	-5	m	...	...	43.927	-35.577	-3	...	...	*	48.188	-16.243	1.50	44.9091	9.0
...	40.100	-38.530	-5	...	...	...	43.944	-6.733	-5	...	...	...	48.233	+27.981	0.90	43.8582	10.0
†	40.254	+13.601	0.70	43.8572	10.1	...	43.952	-40.020	-2	...	...	...	48.737	+22.150	-5	m	...
...	+40.401	+36.845	-2	...	...	...	+43.962	-53.703	-3	...	...	...	+48.768	-43.455	-2	...	...
...	40.458	+21.971	-1	...	...	...	44.052	+55.832	-5	...	...	...	48.868	+7.232	-5	e	...
...	40.643	+52.382	-5	m	...	...	44.065	+56.957	-1	43.8579	10.1	...	48.897	+57.628	-4	...	...
...	40.715	+44.119	-5	m	...	...	44.125	-43.757	-1	...	...	...	48.961	+5.878	-5	e	...
...	40.726	-8.744	-3	...	...	...	44.145	-47.594	-5	...	...	...	48.996	-8.960	-5	...	...
1071	+40.751	-40.296	-3	...	...	1131	+44.146	-51.074	-4	...	...	1141	+49.106	+23.746	-2	...	...
...	40.756	+40.393	0.80	43.8573	10.1	...	44.324	+40.248	-3	...	...	...	49.158	+29.251	-5	m	...
S*	40.798	+44.265	1.80	43.8574	8.8	...	44.418	-45.325	-5	...	...	...	49.202	-29.238	-5	...	...
...	40.816	+14.478	-5	m	...	...	44.426	+11.069	-4	...	...	...	49.212	+43.804	-5	m	...
S*	40.825	+10.696	3.70	43.8575	7.3	n	44.648	+2.776	-1	43.8580	10.1	...	49.232	+38.323	-5	m	...
*	+40.827	-28.342	1.00	44.9086	9.6	...	+44.668	+33.163	-4	c	...	†	+49.232	-25.184	-5	...	...
...	40.944	-54.010	-3	...	...	n	44.824	+2.508	0.70	43.8580	10.1	...	49.337	-54.314	-3	...	...
...	41.114	+20.757	-5	m	...	...	44.865	-11.734	0.80	...	...	...	49.348	+14.332	-5	e	...
...	41.258	+12.403	-4	d	...	...	44.885	-21.977	0.85	...	...	...	49.348	-11.775	-3	...	...
...	41.320	+12.414	-5	m	...	...	44.892	+42.679	-5	m	...	...	49.362	+4.103	-4	e	...

1135-1137. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1201-1240						1241-1280						1281-1315					
1201	+49'474	-36'189	-5	...	...	1241	+52'548	-41'697	-2	...	...	1281	+57'825	+19'812	0.75	43.8586	10.1
...	49'557	-5'010	-5	...	...	...	52'773	+8'463	-5	m	...	...	57'930	+0'074	-3	...	...
...	49'672	-33'653	-4	...	...	...	52'956	-6'166	-3	...	...	...	58'049	-34'692	-4	...	...
...	49'700	+27'012	0.65	...	...	...	52'985	+7'091	-3	e	...	...	58'127	-8'498	-5	...	...
...	49'854	-14'772	-3	...	...	...	53'078	-8'758	-2	...	...	...	58'219	-34'775	-4	...	...
...	+50'028	+28'725	0.65	...	...	...	+53'099	+38'859	-1	...	...	...	58'251	-3'554	-5	...	...
...	50'059	-40'482	-2	...	...	...	53'216	+2'857	-5	e	...	...	58'280	+15'759	-5	e	...
...	50'067	+24'984	-4	e	...	...	53'510	-11'062	-4	...	...	...	58'340	+4'833	-4	...	...
...	50'185	-27'269	-2	...	...	...	54'091	+3'692	-2	...	...	...	58'370	-40'269	0.70	44.9100	10.1
...	50'212	+1'147	-3	...	...	...	54'124	-11'576	-5	...	...	...	58'508	+16'067	-5	e	...
1211	+50'381	+39'218	-5	e	...	1251	+54'172	-19'872	-3	...	...	1291	+58'518	-55'793	-5	...	...
...	50'434	+4'806	-4	e	...	...	54'182	+2'378	-3	e	...	...	58'653	-51'184	0.75	...	...
...	50'441	-48'953	-5	...	...	...	54'255	+29'799	-1	...	...	...	58'703	+42'373	-4	...	...
...	50'466	+35'260	-5	e	...	...	54'386	+27'705	-3	...	...	...	58'731	+24'979	-5	...	...
...	50'470	+11'301	-5	e	...	...	54'445	+39'744	-1	...	...	...	58'818	+38'180	-5	e	...
...	+50'474	+31'373	-4	e	...	...	* +54'573	-30'603	1.00	44.9095	9.8	...	58'867	+45'030	-1	...	...
...	50'549	-7'286	-3	...	...	...	54'653	+10'893	-3	...	...	...	58'868	+32'680	-5	e	...
...	50'554	+54'835	-5	e	...	...	* 54'688	+31'631	1.00	43.8583	10.0	...	59'132	-37'569	-5	...	...
...	50'555	+13'346	-5	e	...	...	* 54'692	-56'992	1.30	44.9096	9.6	...	59'207	-56'848	-5	...	...
...	50'765	+45'518	-5	m	...	...	54'957	+43'645	-4	...	...	...	59'235	-5'121	-5	...	...
1221	+50'872	+40'120	-2	...	...	1261	+55'008	-56'570	-3	...	...	1301	59'249	-18'076	-5	...	...
...	50'903	+46'624	-5	e	...	...	55'061	+15'459	-3	...	...	...	59'259	-16'217	-5	...	...
...	50'926	+45'821	-1	...	...	...	55'117	-15'885	0.70	...	...	...	59'287	+9'261	-5	e	...
...	* 50'990	-19'474	1.30	44.9092	9.2	...	55'402	+11'867	0.80	43.8584	10.1	...	59'438	-30'041	-3	...	...
...	51'088	+25'265	-4	e	...	...	55'525	-17'610	-5	...	...	...	59'487	-1'105	-5	...	...
...	+51'090	+10'551	-4	e	...	...	+55'588	-51'960	0.75	...	...	...	* 59'626	+3'816	1.40	43.8588	9.2
...	* 51'145	-10'058	0.90	44.9093	10.1	...	55'809	-45'071	0.80	44.9097	10.1	...	59'649	-17'069	5	...	...
...	51'234	+39'103	-4	e	...	...	55'887	+34'727	0.70	...	...	...	59'828	-47'439	-4	...	...
...	51'286	+20'552	-1	...	...	...	56'356	-44'652	-5	...	...	...	* 59'904	+47'710	1.60	43.8587	8.9
...	51'300	+2'257	0.70	...	...	...	56'547	-3'225	1.00	44.9098	9.6	...	59'936	+35'457	-5	e	...
1231	+51'391	-55'101	1.10	44.9094	9.6	1271	+56'677	-16'882	-5	...	...	1311	+59'970	-31'999	0.80	44.9101	10.0
...	51'402	+49'376	-3	...	...	...	56'695	+13'963	-5	e	...	...	59'995	+9'526	-3	...	...
...	51'435	-32'591	-3	...	...	...	56'698	+9'115	-4	e	...	...	60'145	+52'586	-5	...	...
...	51'756	+4'426	-2	...	...	...	56'935	-12'448	-2	...	...	...	60'193	+30'399	-5	...	...
...	51'756	-16'218	-3	...	...	...	57'163	-4'884	0.70	44.9099	10.1	...	60'219	+18'871	0.70	...	...
...	+51'797	-41'055	-5	...	...	...	+57'307	+27'225	-5	e	...	...	...	...	...	...	...
...	51'929	-4'750	-1	...	...	...	57'368	+27'849	-5	e	...	...	...	...	...	...	...
...	51'967	-22'753	-4	...	...	...	57'398	+14'457	-5	e	...	...	...	...	...	...	...
...	52'002	-37'232	-4	...	...	...	57'472	-15'814	-5	...	...	...	...	...	...	...	...
...	52'323	+0'103	-4	e	...	...	* 57'678	+12'176	1.00	43.8585	9.6	...	...	...	...	...	...

1-10						11-20						21-30					
I	Co-ordinates.		Diam.	C.P.D.		II	Co-ordinates.		Diam.	C.P.D.		21	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
...	-59'538	+23'576	-3	...	...	...	-58'699	+3'956	-4	...	...	...	58'025	+49'281	-2	...	...
...	59'535	-26'157	-5	...	...	...	58'669	-9'110	-5	...	...	...	57'923	-25'314	-5	...	...
...	59'288	+7'064	-5	E	...	...	58'627	+24'853	-5	E	...	...	57'889	+38'999	-5	E	...
...	* 59'249	-16'405	1.50	44.9091	9.0	...	58'530	+35'137	-5	E	...	...	57'848	-29'370	-5	...	...
...	59'133	+5'712	-5	E	...	...	58'432	+46'512	-5	E	...	...	57'846	-43'603	-1	...	...
...	-59'044	+26'858	0.70	...	...	...	-58'395	+31'243	-3	E	...	...	57'793	-11'194	-5	E	...
...	59'023	+14'178	-5	E	...	...	58'373	+45'704	0.90	...	...	...	57'787	-13'251	-5	E	...
...	59'007	+54'603	-5	E	...	...	58'260	+40'011	0.75	...	...	...	57'740	-1'033	0.65	...	...
...	58'771	-28'586	0.75	...	...	...	58'234	-5'144	-4	...	...	...	57'652	-4'702	-4	E	...
...	58'729	+39'101	-5	E	...	...	58'228	-11'918	-3	...	...	...	57'632	-14'899	-3	...	...

ES measured from 1, 116, 258, 303, 507, 614, 710, 808, 914, 1037, 1160, 1309
MC " " " 03, 189, 327, 446, 559, 663, 753, 850, 980, 1090, 1225, 1387.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
3I	-57.580	+25.167	-4	E	...	9I	-51.391	+27.953	-5	E	...	15I	-47.474	-3.723	-5	...	...
...	57.353	-36.311	-5	...	...	...	* 51.279	-3.129	1.00	44.9098	9.6	...	47.473	+23.976	-4	M	...
...	57.300	-10.400	-5	...	...	...	51.242	-21.777	-5	...	...	...	47.428	+17.419	-5	M	...
...	57.254	+20.470	0.65	...	...	...	51.194	-56.509	-3	...	...	...	47.345	-0.015	-5	M	...
...	57.240	-33.773	-5	...	...	...	50.977	+14.560	-4	E	...	...	47.186	+35.915	-5	M	...
...	-57.167	+10.452	-4	E	...	...	-50.760	-51.872	-1	...	...	...	-47.169	+57.617	0.90	...	...
...	57.152	-7.375	-2	...	...	...	50.751	-45.000	0.80	44.9097	10.1	...	47.024	-56.642	-5	...	...
...	56.944	-54.427	-2	...	...	...	50.748	-16.778	-5	...	...	...	47.000	+46.823	-5	M	...
...	56.913	-27.380	0.75	...	...	...	50.716	+19.933	0.75	43.8586	10.1	...	46.995	-31.803	0.80	44.9101	10.0
...	56.687	+2.183	0.80	...	...	...	50.644	+20.620	-5	M	...	...	46.905	+21.671	-3	...	...
4I	-56.651	-40.589	0.65	...	...	10I	-50.620	-4.783	0.85	44.9099	10.1	16I	-46.683	-9.995	-3	...	...
...	56.600	+3.488	-5	M	...	...	* 50.619	+12.291	1.00	43.8585	9.6	...	46.663	-47.240	-3	...	...
...	56.483	-10.146	0.90	44.9093	10.1	...	50.617	-12.337	-2	...	...	...	46.654	+37.364	-3	...	...
...	56.468	-32.008	-5	...	...	...	50.501	+42.512	-2	...	...	...	46.457	-14.868	-5	...	...
...	* 56.328	-19.540	1.35	44.9092	9.2	...	50.432	+45.171	-1	...	...	...	46.387	-59.129	-5	...	...
...	-56.298	+4.359	-2	...	...	...	-50.367	-16.255	-5	...	...	...	-46.385	+2.240	-4	M	...
...	56.000	+38.819	0.85	...	...	...	50.275	+38.305	-5	E	...	...	46.381	-33.113	-5	...	...
...	55.852	-4.812	-2	...	...	...	50.204	-44.547	-5	...	...	...	46.361	-6.894	-5	...	...
...	55.806	-15.780	-5	...	...	...	50.143	+15.885	-4	E	...	...	46.351	-33.346	-5	...	...
...	55.679	-16.260	-4	...	...	...	50.047	+32.814	-4	E	...	...	46.272	+43.689	-5	M	...
5I	-55.601	+0.057	-5	E	...	11I	-50.003	+0.199	-2	...	...	17I	-46.106	+41.466	-5	M	...
...	55.484	-32.636	-5	...	...	...	49.974	-15.691	-5	...	...	...	46.098	+0.428	-3	...	...
...	55.390	-6.662	-5	...	...	...	49.960	+25.115	-5	...	...	...	46.029	+15.755	-3	...	...
...	55.262	-22.793	-5	...	...	...	49.903	+16.205	-4	E	...	...	46.011	-12.100	-4	...	...
...	55.161	+7.064	-3	E	...	...	49.732	+4.983	-4	...	...	...	45.944	+45.561	-5	M	...
...	-55.049	+2.259	-5	M	...	...	-49.574	-3.433	-5	...	...	...	* 45.895	-7.368	1.15	44.9102	9.5
...	54.881	-41.084	-5	...	...	...	49.544	-8.370	-5	...	...	...	45.723	+51.880	-4	...	...
...	* 54.864	-55.144	1.30	44.9094	9.6	...	49.481	+47.863	1.70	43.8587	8.9	...	45.698	-36.750	-5	...	...
...	54.801	-37.266	-5	...	...	...	49.392	+52.752	-5	...	...	...	45.592	-47.922	-3	...	...
...	54.791	+2.836	-5	E	...	...	49.286	+53.000	-5	M	...	...	45.518	+16.417	-3	A	...
6I	-54.785	-6.193	-3	...	...	12I	-49.231	+0.539	-5	M	...	18I	-45.468	+11.670	1.05	43.8590	9.8
...	54.690	+39.752	0.70	...	...	...	49.118	+56.493	-3	...	...	...	45.368	-19.008	-5	...	...
...	† 54.591	+29.789	-2	...	...	...	49.081	+35.604	-5	E	...	...	45.293	+8.726	-5	M	...
...	54.586	-8.784	-2	...	...	...	48.929	+9.414	-5	E	...	S *	45.230	+48.787	1.95	43.8591	8.5
...	54.387	+27.708	-3	...	...	...	48.838	-34.559	-4	...	...	...	45.067	+30.275	-5	M	...
...	-54.316	+43.648	-4	...	...	...	-48.681	-34.638	-4	...	...	...	-44.910	+1.499	-3	...	...
...	* 54.208	+31.638	1.00	43.8583	10.0	...	48.674	+33.198	-4	...	...	...	44.774	+37.179	-3	...	...
...	54.114	-41.715	-3	...	...	...	48.663	+30.581	-2	...	...	...	* 44.687	+51.794	1.15	43.8592	9.5
...	54.080	-11.068	-3	...	...	...	48.546	+44.365	-4	A	...	...	44.617	-48.216	-5	...	...
...	54.039	-1.456	-5	...	...	...	48.544	-4.971	-5	...	...	...	44.584	+14.198	-1	...	...
7I	-53.957	+3.705	-2	...	...	13I	-48.421	+3.983	1.35	43.8588	9.2	19I	-44.318	+55.830	-3	...	...
...	53.833	+2.381	-3	E	...	...	48.419	+25.066	-5	M	...	...	44.134	+8.761	-3	...	...
...	53.817	-0.237	-5	M	...	...	48.419	-0.937	-5	...	...	...	44.103	+43.490	-2	...	...
...	53.724	+58.635	-5	...	...	S *	48.411	+29.510	1.33	43.8589	9.2	...	44.044	-46.128	-5	...	...
...	53.624	+10.897	-3	...	...	...	48.344	-40.114	0.80	44.9100	10.1	...	43.973	+57.762	-2	...	...
...	-53.464	-11.566	-4	...	...	...	-48.291	+19.046	0.75	...	...	...	-43.775	-45.216	0.80	44.9103	10.1
...	53.344	+15.486	-3	...	...	...	48.238	+9.703	-3	...	...	...	43.618	+3.006	-4	M	...
...	53.159	-19.858	-3	...	...	...	48.188	-16.054	-4	...	...	...	43.575	+12.167	-5	M	...
...	† 53.094	+34.767	0.90	...	...	...	48.152	-17.910	-5	...	...	...	43.345	-26.729	-5	...	...
...	* 52.877	+11.916	0.85	43.8584	10.1	...	48.100	+10.638	-5	M	...	...	43.246	+50.368	-5	M	...
8I	-52.432	-30.561	1.00	44.9095	9.8	14I	-48.063	+36.807	-5	M	...	20I	-43.184	+54.687	0.90	43.8595	10.1
...	52.323	-15.846	0.75	...	...	...	47.784	-16.889	-5	...	...	...	43.114	+22.884	-5	M	...
...	51.978	-50.566	-5	...	...	...	47.737	+58.399	-3	...	...	...	43.082	+54.673	-5	M	...
...	51.911	-32.032	-5	...	...	...	47.725	-51.011	0.80	...	...	...	43.040	-48.562	-5	...	...
...	51.866	-17.546	-5	...	...	...	47.724	-55.637	-4	...	...	...	43.007	+52.744	-4	B	...
...	-51.667	+14.052	-5	E	...	...	-47.674	+34.051	-4	B	...	...	-42.991	+0.945	-2	...	...
...	51.498	+9.204	-4	E	...	...	47.662	-37.387	-5	...	...	...	* 42.892	+43.163	1.20	43.8596	9.4
...	* 51.495	-56.941	1.30	44.9096	9.6	...	47.593	-29.865	-3	...	...	...	42.720	+17.347	-4	M	...
...	51.453	+27.322	-4	E	...	...	47.591	-1.921	-5	...	...	...	42.706	+7.553	-4	M	...
...	51.406	-2.752	-5	...	...	...	47.550	+29.224	-5	M	...	...	42.649	+15.943	-1	43.8593	10.1

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		
	x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.		x.	y.	-3.	No.	Mag.	
211-270						271-330						331-390						
211	-42'633	+22'676	-4	M	...	271	-38'919	-24'799	0·80	44·9111	10·0	331	-34'660	-10'623	-3	...	...
...	42'625	+14'493	0·80	43·8594	10·1	...	38'904	-30'340	-5	...	...	...	33'857	-5'456	-3	...	...
...	42'613	+53'103	-4	...	...	...	38'789	+40'676	-4	...	...	...	33'830	-1'541	-4	...	...
...	42'536	+29'022	0·75	...	...	...	38'763	-56'919	-5	...	...	...	33'796	-5'742	-5	...	...
...	42'504	+7'724	-5	M	...	†	38'753	+29'863	-1	...	...	...	33'789	-22'862	-4	...	...
...	-42'275	+35'569	-4	B	...	*	-38'648	+6'748	1·50	43·8599	9·6	...	-33'695	-23'189	-5	...	...
*	42'135	-33'023	1·00	44·9104	9·8	...	38'516	+23'956	0·70	...	...	...	33'632	-16'672	-5	...	...
...	41'977	+15'474	-3	...	...	*	38'463	+43'009	1·30	43·8600	9·8	...	33'448	+14'793	-4	M	...
...	41'872	-21'743	-5	...	...	...	38'385	-40'549	-5	M	...	...	33'419	-11'508	-4	...	...
...	41'745	-10'161	-1	...	...	...	38'366	-6'423	0·90	44·9113	10·4	...	33'413	-16'042	-5	...	...
221	-41'739	+36'566	-4	B	...	281	-38'223	+50'649	-5	M	...	341	-33'393	-5'749	-3	...	...
...	41'708	-58'102	0·85	44·9105	10·1	...	38'104	+25'817	-4	M	...	...	33'324	+29'024	-4	M	...
...	41'636	-53'796	-4	...	...	...	38'059	+47'023	-2	...	...	...	33'219	-52'437	-5	...	...
...	41'567	+54'233	-5	M	...	...	38'005	+21'982	-2	...	...	...	33'197	+57'543	-5	M	...
...	41'512	+37'339	-5	M	...	...	37'927	-52'819	-5	...	...	...	33'085	+44'634	-5	M	...
...	-41'470	-43'907	-4	...	...	...	-37'921	-47'191	-2	...	...	...	-32'897	-32'040	-1	...	...
...	41'455	-10'312	-3	...	...	...	37'813	+9'000	0·85	...	...	...	32'786	-52'864	-4	...	...
...	41'431	+15'650	-3	...	...	...	37'706	+6'314	-2	...	...	...	32'675	-19'430	-5	...	...
...	41'372	+3'115	-3	...	...	...	37'660	+0'319	-5	M	...	...	32'320	-45'977	-4	...	...
...	41'316	+52'714	-5	M	...	...	37'421	-13'176	-4	...	...	...	32'296	+16'278	-4	M	...
231	-41'310	-5'186	-5	...	...	291	-37'322	+54'408	-4	...	...	351	-32'266	+38'258	-4	B	...
...	41'300	+2'032	-5	M	...	...	37'316	-51'042	-4	...	...	...	32'255	-36'490	-5	...	...
...	41'058	-59'491	-5	...	...	...	37'201	+34'123	0·70	...	...	...	32'201	+5'299	-4	M	...
...	40'955	-12'683	-5	...	...	...	37'139	+39'692	-3	...	...	...	32'134	+24'461	-3	...	...
...	40'839	-7'472	-4	...	...	...	37'131	+5'291	-5	M	...	...	32'120	-23'890	-5	...	...
...	-40'838	-51'277	-5	...	...	...	-37'120	+3'841	-5	...	...	...	-32'074	+39'088	-4	B	...
...	40'803	+26'743	-4	M	...	...	36'867	-7'356	-5	...	...	*	32'037	-58'171	1·30	44·9115	10·2
...	40'778	+49'987	-4	B	...	...	36'857	+42'936	-5	M	...	S *	31'973	-9'734	5·70	44·9116	5·7
...	40'726	+46'574	-5	M	...	...	36'629	+7'882	-5	M	...	...	31'926	-0'371	-1	...	...
*	40'712	+15'518	1·00	43·8597	10·2	...	36'585	+24'902	-5	M	...	...	31'750	-48'400	-5	...	...
241	-40'640	-40'215	1·00	44·9106	9·6	301	-36'479	+2'342	-5	M	...	361	-31'742	+54'965	-3	...	...
*	40'551	-49'418	-5	...	...	...	36'439	+19'506	-3	...	...	...	31'724	-43'043	0·80	...	...
...	40'487	-7'090	-5	...	...	...	36'356	-57'340	-3	...	...	...	31'674	+1'872	-5	M	...
*	40'475	+17'887	1·10	43·8598	10·4	...	35'975	+46'149	-4	A	...	*	31'618	-10'941	1·00	44·9118	10·2	
...	40'468	-32'167	-3	...	...	...	35'968	-20'870	-5	...	...	...	31'600	+3'204	-5	M	...
...	-40'442	-25'530	-5	...	...	...	-35'901	-5'197	-3	...	...	...	-31'588	-18'927	-4	...	...
...	40'370	-27'096	-4	...	...	...	35'844	+26'635	-4	M	...	*	31'570	-20'129	1·00	44·9117	10·2
...	40'365	+33'448	-4	B	...	...	35'813	+1'796	-5	M	...	...	31'489	+28'328	-4	M	...
...	40'341	+13'521	-5	M	...	...	35'767	+16'605	-4	...	...	...	31'441	+7'834	-5	M	...
...	40'306	+5'707	-1	...	...	...	35'736	-47'822	-4	...	...	...	31'135	+28'141	-5	M	...
251	-40'205	-57'594	-4	...	...	311	-35'672	-45'488	-5	...	...	371	-31'132	+53'929	-3	...	...
*	40'009	+0'258	1·00	44·9108	10·0	...	35'665	+23'384	-3	...	...	...	31'119	+51'949	-5	M	...
...	39'871	-23'078	-5	...	...	...	35'638	-49'688	-5	...	...	...	31'069	-52'549	-4	...	...
...	39'848	-27'855	0·80	44·9107	10·1	...	35'617	+19'361	-3	...	...	...	31'027	+17'538	0·80	...	...
...	39'817	-21'575	-5	...	...	...	35'596	+3'659	-5	M	...	...	30'950	+36'172	-3	...	...
...	-39'815	+43'931	-2	...	...	...	-35'468	-26'902	-3	...	...	...	-30'912	-51'205	-4	...	...
†	39'690	+5'054	-5	M	...	...	35'444	+49'421	-5	M	...	...	30'869	+46'740	-4	...	...
...	39'579	+0'730	-5	M	...	...	35'441	-58'615	-5	...	...	...	30'720	+17'007	-1	...	...
...	39'551	-16'425	-3	...	...	...	35'374	-19'092	-1	...	...	...	30'643	+9'382	-5	M	...
...	39'540	-20'465	-5	...	...	...	35'238	+24'957	-2	...	...	...	30'592	-11'125	-5	...	...
261	-39'507	-29'325	0·95	44·9109	9·6	321	-35'147	-5'677	0·90	...	...	381	-30'584	+39'229	0·85	...	...
*	39'504	+5'364	-3	35'089	+40'846	-5	M	30'442	+56'214	-5	M	...
...	39'393	+37'925	-4	B	...	...	35'010	-27'043	-3	...	...	†	30'366	-0'121	-3	x	...
*	39'387	-10'197	1·05	44·9110	9·6	...	34'997	+50'033	-4	A	...	...	30'280	-55'930	-5	...	...
...	39'339	-34'057	-4	...	...	†	34'744	-52'518	-3	...	...	...	30'278	+13'187	-5	M	...
...	-39'190	+11'754	0·80	...	...	†	-34'700	+33'044	-5	...	...	*	-30'126	-26'916	1·00	44·9120	10·4
...	39'127	-35'665	-5	...	...	...	34'296	+14'252	0·80	43·8601	10·4	...	30'060	-32'704	-4	...	...
...	39'075	+44'672	-5	M	...	...	34'294	-34'566	-4	...	...	...	30'053	-56'057	-3	...	...
...	39'033	-26'639	-5	...	...	*	34'292	-24'338	0·90	44·9114	10·4	*	30'039	-35'829	1·60	44·9119	9·6
*	38'920	-30'715	1·00	44·9112	10·0	*	34'189	+22'847	1·00	43·8602	10·4	†	29'902	-15'095	2·20	44·9121	8·4	

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.				
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.			
391-450						451-510						511-570								
391	-29.812	-38.971	-4	...	...	451	-24.381	-56.390	-5	...	...	511	-19.587	+59.666	-3	...	...	
...	29.763	+46.882	-4	M	...	...	24.287	+41.245	-4	M	...	...	*	19.483	-54.253	1.30	44.9128	9.8	
...	†	29.651	+21.351	-4	...	...	24.241	-0.519	-3	...	...	...	†	19.266	-44.989	-4	...	...
...	...	29.643	-9.704	-4	...	...	24.135	-9.370	-3	...	...	...	...	19.251	+40.901	-4	M	...	
...	...	29.601	-47.363	-2	...	...	24.064	+7.971	-2	...	...	...	...	19.128	-1.918	-5	...	...
...	...	-29.577	+57.525	-1	...	...	...	-23.873	+14.213	-4	M	...	...	-19.033	+26.725	1.00	43.8606	10.4	
...	...	29.387	+32.211	-5	M	...	...	23.822	+10.404	-4	...	...	...	18.911	+15.688	-5	M	...	
...	...	29.362	-7.444	-4	...	...	...	23.788	+30.891	-2	...	...	...	18.870	-50.897	-5	...	...
...	...	29.282	-46.531	-5	...	...	...	23.725	-55.725	-1	...	...	...	18.859	-56.902	-5	...	...
...	...	†	29.046	+4.832	-4	M	...	23.588	+57.468	-4	M	...	...	*	18.848	-55.686	1.20	44.9129	9.8
401	...	-29.032	-23.917	-4	461	...	-23.574	-33.378	1.50	44.9125	9.6	521	...	-18.600	-56.146	-5
...	...	28.868	+11.837	-5	M	...	...	23.533	+23.768	-3	...	...	...	...	18.552	+36.509	-4	...	...
...	...	28.806	+45.226	-3	...	...	...	23.517	-50.232	-4	...	...	...	...	18.198	-42.227	-4	...	...
...	...	28.676	+38.682	-5	M	...	...	23.419	-50.699	-3	...	...	...	...	17.839	+11.354	0.80	...	...
...	...	28.662	-47.445	-3	...	...	...	23.337	-10.703	-5	...	...	...	*	17.658	-54.281	1.00	44.9130	10.2
...	...	-28.609	-41.254	-4	...	...	...	-23.168	-6.728	-4	...	...	...	...	-17.533	-41.698	-5	...	...
...	...	28.523	-55.019	-4	...	...	...	23.113	-53.909	-5	...	...	...	...	17.518	+15.373	-3	...	...
...	...	†	28.302	-30.013	-5	...	...	23.039	+49.866	-3	...	...	...	*	17.477	-15.305	1.70	44.9131	9.6
...	28.282	+23.461	-5	M	...	22.990	+47.602	-5	M	...	...	...	17.422	-29.322	-3	...	...
...	28.223	+6.040	-5	M	...	22.871	+5.229	-5	M	...	...	...	17.248	+27.117	-5	M	...	
411	...	-28.157	+35.365	-3	471	...	-22.775	+5.755	-4	M	...	531	...	-17.223	+4.259	-5	M	...
...	...	28.064	-55.070	-5	...	...	...	22.730	+35.019	-2	...	...	...	...	17.083	-57.741	-5	...	...
...	...	27.930	-3.652	-4	...	...	...	22.637	+20.818	-2	...	...	...	...	16.999	-0.582	0.85	...	...
...	...	27.485	-40.642	-2	...	...	...	22.452	-31.660	1.00	44.9126	10.2	...	...	16.831	-28.702	-4	...	...
...	...	27.433	-53.333	-1	...	...	...	22.310	+22.495	-5	M	...	...	...	16.825	-48.276	0.70	...	...
...	...	-27.304	-49.222	-5	...	...	...	-21.964	-43.466	-4	...	...	...	...	-16.665	+11.107	0.85	...	...
...	...	27.227	-45.193	-3	...	...	...	21.876	+57.720	-1	...	...	...	...	16.638	-8.951	-3	...	...
...	...	27.210	+17.318	-3	...	...	...	21.851	+52.481	-5	M	...	...	...	16.533	-8.983	-5	...	...
...	...	*	27.126	-33.143	1.30	44.9122	9.6	...	21.808	+52.194	-5	M	...	...	16.308	-53.450	-5	...	...
...	...	*	27.087	+38.661	0.95	21.792	+50.114	-3	A	*	16.292	-9.555	2.50	44.9132	8.8
421	...	-27.072	-45.113	-3	481	...	-21.731	-45.722	-3	541	...	-16.201	-20.193	-5
...	...	26.878	-50.062	0.65	...	...	...	21.727	+42.297	-5	M	...	...	...	16.128	-9.966	-4	...	...
...	...	26.854	-44.869	0.75	...	...	...	21.691	+42.147	-5	M	...	...	...	16.087	+53.683	-2	...	...
...	...	26.491	-46.339	-5	...	...	...	21.652	-29.806	-4	...	...	...	...	15.947	-54.553	-5	...	...
...	...	26.477	-45.116	-5	...	...	...	21.534	-4.944	-5	...	...	...	...	15.931	-21.853	-3	...	...
...	...	-26.381	-52.223	-3	...	...	...	-21.530	-3.010	-3	...	...	...	...	-15.753	+26.548	-3	...	...
...	...	26.132	+56.843	-4	...	...	...	21.465	+8.336	-3	...	...	...	...	15.576	+53.421	-5	M	...
...	...	26.095	-55.213	-4	...	...	...	21.414	+48.154	-3	...	...	...	...	15.573	-11.207	-3	...	...
...	...	26.087	-38.645	-5	...	...	...	21.396	+33.852	-4	M	...	...	...	15.467	-39.888	-4	...	...
...	...	*	25.977	+53.865	1.05	43.8603	10.4	S *	21.300	-38.755	2.80	44.9127	8.1	15.463	-44.051	-3
431	...	-25.968	+34.762	-4	M	...	491	...	-21.047	+46.376	-4	M	...	551	...	-15.385	+24.329	-5	M	...
...	...	25.827	+48.112	-4	M	...	...	20.905	-56.675	-3	...	...	...	...	15.317	-11.617	-5	...	...
...	...	25.771	-19.112	0.90	44.9123	10.4	...	20.855	-47.882	-5	...	...	...	...	15.238	+10.363	0.70	...	...
...	...	25.682	+1.909	-5	M	...	...	20.805	+59.291	-5	M	...	...	...	15.087	-16.859	-5	...	...
...	...	25.680	-22.628	-5	...	...	...	20.753	+24.445	-5	M	...	...	*	15.077	+55.457	1.35	43.8607	9.6
...	...	-25.619	+50.581	-5	M	...	...	-20.685	+1.480	1.00	43.8604	10.2	...	...	-15.023	-46.830	-5	...	...
...	...	25.605	+19.209	-5	M	...	...	20.638	-25.895	-5	...	...	...	*	14.983	-26.516	1.20	44.9133	9.9
...	...	25.514	-15.452	-5	...	...	...	20.545	-55.886	-5	...	...	...	...	14.831	-28.979	-4	...	...
...	...	25.289	-52.912	-4	...	...	...	20.374	-45.241	-3	...	...	...	...	14.640	-2.753	-3	...	...
...	...	25.131	+21.979	-4	...	...	...	20.249	+14.149	-3	...	...	...	...	14.612	+15.521	-5	M	...
441	...	-25.064	-45.743	-4	501	...	-20.065	+12.979	-5	M	...	561	...	-14.232	+48.727	-5	M	...
...	...	25.051	-19.212	0.80	...	...	...	20.036	+36.884	-5	M	...	...	...	14.151	+30.660	-2	...	...
...	...	24.944	+15.313	-4	...	...	...	19.999	+54.046	1.00	43.8605	10.4	...	...	14.101	-48.399	-3	...	...
...	...	24.837	-13.304	-4	...	...	...	19.940	+50.290	-4	...	...	...	...	13.968	-54.889	-5	...	...
...	...	†	24.764	-44.656	1.20	44.9124	9.6	...	19.830	-17.319	-4	...	...	...	13.966	-27.113	-4	...	...
...	24.635	-12.553	-2	...	...	†	-19.791	-33.989	-2	...	...	*	-13.947	-6.227	1.15	44.9134	10.2	
...	24.624	-52.083	-4	...	...	†	19.691	-1.618	-3	...	...	...	13.847	+6.659	-4	...	...
...	24.548	+20.698	-5	M	...	...	19.646	+34.049	-1	...	...	...	13.842	-11.026	-3	...	...
...	24.446	+25.510	-1	...	...	...	19.634	-6.612	-5	...	...	...	13.824	+54.551	-5	M	...	
...	24.390	-57.633	-5	...	...	...	19.600	-24.439	-2	...	...	*	13.719	+9.421	0.90	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
571-630						631-690						691-750						
571	-13.638	+11.270	-5	M	...	631	-8.146	+24.331	-5	M	...	691	-1.769	+25.153	1.40	43.8614	9.6	
...	13.522	+4.019	-4	...	...	...	7.991	+38.870	-5	M	...	...	1.685	-33.883	5	...	...
*	13.170	+8.917	1.00	43.8608	10.2	...	7.904	+38.138	0.85	...	...	...	1.444	-48.107	-4	...	...
*	13.074	+59.226	1.20	43.8609	10.2	...	7.533	-22.764	-5	...	...	...	* 1.368	+43.538	1.00	43.8615	10.4
...	13.062	+10.113	-3	7.472	+19.416	-5	M	1.341	+20.999	-5	M m	...
*	-12.879	+24.176	1.05	-7.373	-59.760	-3	*	-1.163	-9.060	1.60	44.9142	9.4
...	12.622	+41.731	0.80	7.326	-43.766	-3	1.153	-31.518	-4
...	12.422	-10.755	-5	7.256	-49.282	0.85	44.9139	10.4	0.983	+31.015	-4
...	12.418	-51.396	-4	7.231	-12.533	-5	*	0.743	-35.914	0.95	44.9143	10.2
...	12.382	+2.429	-1	7.130	-29.850	-4	0.654	-44.145	-3
581	-12.360	-12.575	-5	...	...	641	-6.828	+13.395	-1	...	...	701	-0.638	-50.251	-5	...	...
...	12.238	+40.327	-2	...	...	...	6.787	-29.785	-3	...	...	...	0.337	+10.599	-4	m	...
...	12.204	-38.898	-4	...	...	...	6.563	+52.531	0.75	...	...	...	0.326	+25.005	-5	M m	...
...	12.171	+56.155	-5	M	...	...	6.483	+10.486	-5	M	...	...	0.286	-40.901	-3	...	...
...	12.167	-22.892	-5	...	...	...	6.483	+1.826	-5	M	...	...	0.261	-29.082	-4	...	...
...	-12.136	-43.407	-3	...	...	...	-6.471	-32.799	0.70	...	...	...	-0.157	+37.954	-3	m	...
...	12.076	-1.976	-4	...	...	...	6.471	-37.505	0.85	...	...	...	0.083	+34.021	-5	M m	...
...	12.059	+58.192	-5	M	...	...	6.426	+25.258	0.85	...	...	...	-0.057	-39.238	-3	...	...
...	11.960	-45.776	-5	...	...	...	6.321	+20.363	-3	...	...	...	+0.227	+46.964	1.00	43.8616	10.4
...	11.918	+58.665	-3	...	...	...	6.311	+17.483	-1	...	...	...	0.367	+20.225	-5	M m	...
591	-11.817	-37.623	-1	...	...	651	-6.216	+27.904	0.75	...	...	711	+0.662	+44.867	-4	M m	...
...	11.780	+4.681	-3	...	...	...	6.184	+47.332	-4	...	...	...	1.076	-22.238	-5	...	...
...	11.778	+40.453	-3	...	...	...	6.163	-49.848	-4	...	...	...	1.096	+27.351	-5	M m	...
†	11.722	+44.798	0.80	...	...	...	6.028	+21.250	-1	...	...	...	1.223	-14.173	-5	...	...
...	11.509	-42.063	-5	...	...	...	5.961	+48.969	0.65	...	...	...	1.279	-48.598	-5	...	...
...	-11.334	-36.509	-4	...	...	...	-5.813	+27.615	-5	M	...	...	+1.342	-53.287	-5	...	...
...	11.305	-8.074	-4	...	...	...	5.684	+7.458	-5	M	...	...	1.421	+9.301	-4	M m	...
...	11.301	-28.457	-4	...	...	...	5.313	+15.655	-4	m	...	...	1.435	+37.767	-5	M m	...
*	11.226	-59.636	0.95	45.9288	10.4	...	5.000	-42.410	-3	...	...	...	1.657	+13.874	1.00	...	...
...	11.069	+5.766	-5	M	...	...	4.851	+7.006	-4	m	...	...	1.664	-41.060	-5	...	...
601	-11.019	-55.414	-2	...	...	661	-4.845	+56.200	-5	M m	...	721	1.766	+1.182	-5	M m	...
...	10.941	+9.340	-5	M	...	...	4.831	-43.971	-5	...	...	...	1.806	+2.593	0.80	...	...
...	10.735	-15.239	-2	...	...	...	4.782	-47.217	-4	...	...	...	1.840	-23.944	-5	...	...
...	10.714	+47.382	-4	M	...	...	4.566	+45.464	-4	m	...	...	1.876	+44.446	-5	M m	...
*	10.714	+16.682	1.30	43.8610	10.2	...	4.453	+31.301	-1	...	...	...	2.058	+19.191	-3	...	...
...	-10.664	-20.413	-1	...	...	...	-4.435	-19.002	-4	...	...	...	2.153	+32.332	-5	M m	...
*	10.631	-36.751	1.50	44.9135	9.6	...	4.093	-31.775	-4	...	...	...	2.291	+46.281	-4	M m	...
...	10.504	+46.939	0.90	...	...	S *	4.018	-10.898	2.30	44.9140	8.6	...	* 2.343	-39.658	1.05	44.9144	10.2
...	10.393	+54.542	-5	M	...	...	3.579	+40.774	-3	...	...	...	2.415	+58.548	-5	M m	...
...	10.025	-0.753	-3	...	...	...	3.317	-0.284	-2	...	...	...	* 2.500	+26.661	1.05	43.8617	10.2
611	-10.010	+12.923	-3	...	...	671	-3.303	-31.927	2.10	44.9141	8.8	731	+2.601	+56.315	0.75	...	...
...	9.974	-9.146	-5	...	...	...	3.201	+27.193	-4	M m	...	...	2.670	-30.326	-5	...	...
*	9.812	+16.977	1.40	43.8611	9.9	...	3.106	+37.394	-5	M m	...	...	2.765	-30.494	0.70	...	...
†	9.777	-26.762	1.25	44.9136	9.6	...	3.000	+37.382	-5	M m	...	...	2.789	-51.472	-5	...	...
...	9.680	-57.746	-5	...	...	...	2.899	+56.006	1.00	43.8612	10.4	...	2.920	-51.085	-5	...	...
...	-9.595	-30.883	-5	...	...	...	-2.853	-59.169	-5	...	...	...	+2.947	+7.194	-5	M m	...
...	9.491	+31.989	-4	...	...	...	2.710	+29.593	-4	M m	...	...	2.965	-25.715	-4	...	...
...	9.491	-30.781	-5	...	...	...	2.649	+28.929	-4	M m	...	...	3.033	+58.277	-5	M m	...
...	9.318	+22.890	-5	M	...	...	2.626	+35.387	-5	M m	...	...	3.076	+50.615	-4	...	...
...	9.233	-45.489	-3	...	...	...	2.327	-58.785	-5	...	...	...	3.109	+3.602	-4	M m	...
621	-9.119	+25.718	-3	...	...	681	-2.298	+31.278	1.20	43.8613	10.0	741	+3.510	+41.709	-5	M m	...
*	9.017	-50.349	1.05	44.9137	10.4	...	2.296	-26.425	-4	...	...	...	3.519	+8.741	-1	...	...
...	8.974	-58.061	-5	...	...	...	2.291	+57.984	-3	...	...	...	3.621	-52.631	-3	...	...
...	8.952	+29.329	-5	M	...	...	2.224	-31.841	-5	...	...	...	3.780	-17.717	0.80	...	...
...	8.715	-58.384	0.65	...	...	...	2.167	-45.989	-5	...	...	...	4.078	-45.512	4	...	...
...	-8.692	+15.124	-5	M	...	...	-2.131	-6.353	-1	...	...	...	+4.175	+58.863	-5	M m	...
*	8.553	-1.322	1.05	44.9138	10.4	...	1.962	-46.103	-2	...	...	...	4.497	-22.100	-5	...	...
...	8.383	+43.376	-4	...	...	...	1.889	-39.357	-4	...	...	...	4.775	-50.377	0.75	...	...
...	8.382	-47.832	-1	...	...	...	1.868	-35.416	-4	...	...	...	4.870	-2.089	-5	M m	...
...	8.306	+26.719	-2	...	...	...	1.857	-46.484	-4	...	...	...	5.035	-52.518	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
751-810																	
75I	+	5.129	+29.775	-5	M m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	5.176	+43.122	-5	M m	...	...	...	...	...	...	...	...	...	...	...	...
*	...	5.613	+23.410	1.00	43.8618	10.2	...	...	...	...	...	...	...	...	...	...	...
...	...	5.693	-42.961	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	5.890	-41.744	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
*	+	5.951	+53.753	1.10	43.8619	10.4	...	...	...	...	...	...	...	...	...	...	...
...	...	6.012	+47.231	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.141	+10.630	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.348	+3.650	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.352	-37.035	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
76I	...	6.353	-27.715	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.534	+11.808	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.546	-57.129	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.607	+30.325	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.633	-58.393	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	6.650	+37.956	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.679	+27.876	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.744	-38.064	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.758	-49.833	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.788	-15.934	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
77I	...	6.821	+29.974	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.833	-29.291	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.929	-33.166	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	6.961	-58.924	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.214	+41.402	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	+	7.215	+46.252	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.257	-12.236	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.349	-46.068	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.448	-23.634	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.492	-55.663	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
78I	...	7.508	+45.848	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.645	+38.521	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.777	+14.227	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.781	-42.648	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	7.984	+34.848	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	7.998	-55.966	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.146	-19.001	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.317	+57.567	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
*	...	8.328	-27.454	1.00	44.9145	10.2	...	...	...	...	...	...	...	...	...	...	...
...	...	8.329	+48.000	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
79I	...	8.371	-1.941	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	8.454	+42.581	0.95	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	8.600	+34.306	0.95	43.8620	10.2	...	...	...	...	...	...	...	...	...	...	...
...	...	8.816	-35.886	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	8.983	-59.398	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	9.080	-5.195	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
*	...	9.081	+4.685	1.20	43.8621	10.0	...	...	...	...	...	...	...	...	...	...	...
...	...	9.193	-21.092	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	9.217	+16.309	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	9.391	+38.755	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
80I	...	9.496	-1.373	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	9.948	-56.347	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	9.993	-11.586	-1	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.006	+40.929	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.065	+45.850	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	+	10.159	-26.906	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+	10.177	+33.907	-4	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.219	-53.282	0.85	44.9146	10.4	...	...	...	...	...	...	...	...	...	...	...
...	...	10.228	-32.278	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.285	-52.867	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
811-870																	
81I	...	10.328	+18.824	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	*	10.507	+22.361	1.05	43.8622	10.4	...	...	...	...	...	...	...	...	...	...	...
S *	...	10.590	-52.549	1.30	44.9147	9.6	...	...	...	...	...	...	...	...	...	...	...
...	...	10.595	-35.485	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
S *	...	10.664	+18.313	1.50	43.8623	9.6	...	...	...	...	...	...	...	...	...	...	...
...	...	10.685	-44.356	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.738	+29.211	-4	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	10.800	+21.738	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	*	10.948	+24.634	1.05	43.8624	10.2	...	...	...	...	...	...	...	...	...	...	...
...	...	10.974	-8.546	0.80	44.9148	10.4	...	...	...	...	...	...	...	...	...	...	...
82I	...	11.103	+58.979	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.109	-36.009	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.118	-48.255	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	*	11.139	-3.395	1.00	44.9149	10.4	...	...	...	...	...	...	...	...	...	...	...
...	...	11.321	-43.155	-2	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.346	+34.031	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.426	-56.358	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.597	+23.406	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.756	-53.089	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	11.845	-20.260	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
83I	...	11.973	-48.131	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.231	-32.155	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	†	12.340	-45.013	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.375	+39.895	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.836	+39.800	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	...	12.860	-7.313	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.054	-40.095	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.116	+46.106	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.225	-53.350	-5	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.240	+55.926	0.65	...	...	...	...	...	...	...	...	...	...	...	...	...
84I	...	13.395	+54.557	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	13.401	+8.631	-5													

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
931-990						991-1050						1051-1110						
931	+21'792	+48'308	-5	°	m	...	+25'949	+38'477	-4	°	...	1051	+31'277	-25'262	-5	°	...	
*	21'853	+58'467	1'50	43.8631	9'4	...	26'200	+23'366	-5	m	...	...	31'306	+34'121	0'85	...	...
...	21'860	+4'022	-5	m	...	...	26'260	-55'047	-5	...	...	...	31'422	+36'756	-4	a	...
...	21'940	+41'945	-5	m	...	...	26'285	+54'403	0'90	...	...	...	31'426	-25'869	-3	...	...
...	21'973	-53'467	-5	26'412	-28'342	1'30	44.9166	9'8	31'484	-10'887	-3
...	+22'072	+7'639	-5	m	...	...	+27'072	+4'480	-5	m	...	...	+31'536	-33'296	-5	...	...
...	22'129	-57'133	0'80	...	...	...	27'110	-11'802	-5	...	...	...	31'658	-47'063	0'75	...	...
...	22'166	+25'670	-5	m	...	...	27'149	-20'031	-4	...	...	...	31'798	-43'956	-2	...	...
...	22'167	-18'834	-5	...	...	...	27'266	+46'707	-1	...	...	...	31'895	+12'471	-5	m	...
...	22'194	+58'987	-5	m	...	...	27'302	+13'655	-2	...	...	...	31'903	+47'467	-1	...	...
941	+22'227	-54'780	-5	...	...	1001	+27'315	-26'729	-1	...	...	1061	+32'145	-2'906	-4	...	...
...	22'241	+59'384	-4	...	...	...	27'547	+44'513	-1	...	...	*	32'269	+47'638	1'20	43.8635	10'2
...	22'254	-7'728	-3	...	...	...	27'594	-47'380	-5	...	...	...	32'280	-16'266	-5	...	...
...	22'419	+31'548	-4	...	...	...	27'636	+56'666	-5	m	...	...	32'386	-9'586	-4	...	...
...	22'454	-30'216	0'70	...	...	...	27'719	-35'037	-5	...	...	...	32'397	-11'945	-5	...	...
...	+22'476	+33'483	-5	m	...	...	+27'817	-26'840	-4	...	...	*	+32'439	-4'980	1'00	44.9167	10'4
...	22'537	+13'183	-3	...	...	...	27'940	-48'343	-5	...	...	...	32'451	+50'407	-5	m	...
...	22'554	-5'857	-5	...	...	...	27'996	+21'438	-4	m	...	...	32'565	-21'862	-5	...	...
...	22'576	+7'255	0'75	...	...	...	28'094	+56'702	0'80	...	...	...	32'639	-28'789	-5	...	...
...	22'627	+16'276	-5	m	...	...	28'132	+23'990	-4	m	...	*	32'885	-13'930	1'20	44.9168	9'8
951	+22'780	-35'545	-5	...	...	1011	+28'221	+15'151	0'75	...	...	1071	+32'997	+27'988	0'65	...	...
...	22'863	-23'569	-4	...	...	...	28'243	+29'792	-4	...	...	...	33'000	-45'382	-5	...	...
...	22'947	-41'321	-5	...	...	...	28'340	-32'034	-2	...	...	...	33'007	+6'719	-5	m	...
...	22'953	-23'327	-3	...	...	...	28'397	+16'123	-2	...	...	...	33'077	-51'629	-5	...	...
...	23'063	+55'314	-5	...	...	...	28'403	-56'180	-3	...	...	...	33'107	-52'342	-5	...	...
*	+23'071	-12'880	1'30	44.9159	9'9	...	+28'471	+45'885	-4	m	...	...	+33'209	+36'683	-4	...	...
...	23'072	+11'705	-5	m	...	...	28'480	+1'081	-4	m	...	...	33'233	+46'074	-3	...	...
...	23'087	-25'767	-5	...	...	...	28'493	-20'528	-5	...	...	...	33'297	-20'951	0'65	...	...
...	23'147	+12'581	-5	m	...	...	28'554	+22'407	-3	...	...	*	33'373	+28'708	1'05	43.8636	10'2
...	23'300	-37'231	-5	...	...	...	28'771	-12'997	-5	...	...	...	33'620	-46'992	0'85	44.9170	10'4
961	+23'334	+19'506	-5	m	...	1021	+28'926	-42'454	-5	...	...	1081	+33'649	+45'110	-5	m	...
...	23'653	-37'179	-5	...	...	...	28'933	-31'867	-2	...	...	*	33'841	-23'175	1'25	44.9171	9'8
...	23'677	+36'925	-5	m	...	...	28'969	-1'516	-5	...	...	*	33'888	-31'827	1'15	44.9169	9'9
...	23'816	-56'282	-5	...	...	...	29'105	+28'189	-5	m	...	...	33'918	+49'556	-4	...	...
...	23'899	+57'962	-5	m	...	N*	29'142	+35'700	1'00	43.8632	10'2	...	33'928	-40'087	-5	...	...
...	+24'002	-9'924	-5	...	...	...	+29'177	+29'930	-3	...	...	...	+33'950	-54'185	-3	...	...
*	24'190	-40'769	1'20	44.9160	9'8	...	29'182	+36'205	-1	...	...	...	34'025	+0'507	-3	...	...
*	24'491	-31'373	1'70	44.9162	9'1	...	29'734	+33'722	-3	...	...	...	34'042	-3'377	-5	...	...
*	24'536	-3'439	1'10	44.9161	10'0	...	29'742	+48'479	-1	...	...	...	34'234	+4'443	-5	m	...
...	24'657	+39'162	-5	m	...	...	29'801	+42'373	-5	m	...	...	34'310	-52'543	-1	...	...
971	+24'698	-1'048	-3	...	...	1031	+29'891	-19'452	-5	...	...	1091	+34'375	-4'606	-2	...	...
...	24'788	-49'206	-3	...	...	...	29'939	-54'955	0'85	...	...	...	34'536	-32'983	-5	...	...
...	24'799	+25'366	-5	...	...	...	30'014	-20'843	0'75	...	...	...	34'541	+29'880	-2	...	...
...	24'859	+9'978	-3	...	...	...	30'025	-56'681	-4	...	...	...	34'924	+37'531	-5	m	...
...	24'900	+29'827	-4	m	...	...	30'026	-30'804	-4	...	...	...	34'947	+46'220	-5	m	...
...	+24'902	-51'185	0'70	...	...	...	+30'046	-8'016	-4	...	...	...	+35'332	+37'453	-5	m	...
...	24'935	-56'028	-5	...	...	...	30'136	-41'564	-3	...	...	...	35'404	+13'896	-4	m	...
...	25'035	+23'328	-5	m	...	...	30'348	-1'675	-1	...	...	...	35'462	+15'556	-1	...	...
...	25'161	+30'000	-2	...	...	...	30'420	-9'020	-5	...	...	...	35'477	-16'812	-5	...	...
...	25'171	-53'685	-4	...	...	...	30'420	-35'054	0'65	...	...	...	35'487	-10'584	-4	...	...
981	+25'209	-3'015	0'90	...	...	1041	+30'437	-50'485	-5	...	...	1101	+35'741	+39'389	0'80	...	...
...	25'222	-2'818	0'95	44.9163	9'9	S*	30'496	+6'212	3'70	43.8633	7'2	...	35'790	-12'764	-4	...	...
...	25'243	+30'221	-4	...	...	...	30'834	+50'365	-3	...	...	...	35'858	-7'065	-5	...	...
*	25'261	-43'674	0'90	44.9164	10'4	...	30'859	+21'875	-3	...	...	...	35'911	-35'987	-5	...	...
...	25'272	-16'930	-4	...	...	...	30'911	-16'290	-5	...	...	*	35'999	-47'876	1'00	44.9172	10'2
...	+25'433	-28'796	-4	...	...	...	+30'931	+29'951	-5	m	...	...	+36'230	-49'393	-5	a	...
...	25'523	-44'861	1'20	44.9165	9'6	...	31'024	-55'888	-3	...	...	...	36'528	+42'075	-4	...	...
...	25'814	-41'422	-2	...	...	...	31'178	-51'648	-5	...	...	...	36'599	-35'777	-1	...	...
...	25'860	+10'788	-2	...	...	...	31'226	+47'867	-5	m	...	...	36'625	+23'309	-3	...	...
...	25'906	-44'989	-1	...	...	...	31'234	+4'824	0'80	43.8634	10'4	...	36'655	+19'539	-5	m	...

1025. Obscure 2nd image of 1027.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	<i>x.</i>	<i>y.</i>	-3.		No.	Mag.		<i>x.</i>	<i>y.</i>	-3.		No.	Mag.		<i>x.</i>	<i>y.</i>	-3.		No.	Mag.
1111-1170						1171-1230						1231-1290								
1111	+36.895	+26.755	-5	<i>m</i>	...	1171	+41.065	-44.710	-4	<i>o</i>	...	1231	+45.375	-4.907	-3	<i>o</i>	...	...
...	36.970	-43.504	-4	...	...	...	41.146	+43.743	-5	<i>m</i>	...	...	45.421	+38.135	-5	<i>m</i>	...	...
...	37.007	-36.138	-4	...	...	...	41.151	-23.237	-4	...	...	...	45.444	+23.269	-3	...	...	...
...	37.046	+20.472	-4	...	...	...	41.169	-42.709	-5	...	...	...	45.512	+13.322	-5	<i>m</i>	...	...
...	37.170	+51.761	-3	...	...	...	41.178	-36.168	-4	...	...	...	45.651	-33.023	0.65	...	...	...
...	+37.172	+37.691	-3	...	...	...	+41.185	+13.125	0.80	...	...	...	+45.664	+21.102	-5	<i>m</i>	...	...
...	37.218	-21.970	-5	...	...	...	41.192	+51.406	-1	...	...	...	45.778	+33.716	-3	...	...	...
...	37.256	+21.902	-4	<i>m</i>	...	...	41.222	+39.863	-5	<i>m</i>	...	...	45.829	+19.180	-4	<i>m</i>	...	...
...	37.457	-52.958	-4	...	...	...	41.235	-5.008	-3	...	...	...	45.839	-31.279	-4	...	...	...
...	37.550	-35.191	0.70	...	...	...	41.263	+28.669	-5	<i>m</i>	...	Sn*	45.882	+34.040	2.00	43.8643	8.7	...
1121	+37.642	-2.288	0.70	...	...	1181	+41.278	-10.203	-4	...	...	1241	+45.887	+8.350	-4	<i>m</i>	...	...
*	37.689	-2.404	1.10	44.9173	9.6	...	41.324	+53.306	-5	<i>m</i>	...	...	45.893	+43.923	-5	<i>m</i>	...	...
...	37.706	+33.467	-5	<i>m</i>	...	...	41.331	-12.591	-2	...	...	n*	46.004	+34.210	0.90	43.8643	8.7	...
...	37.707	-55.820	-5	...	...	...	41.375	-8.180	-4	...	...	...	46.153	-51.022	-4	...	...	...
...	37.740	-16.113	-4	...	...	...	41.480	-35.885	-4	...	...	...	46.178	-36.410	-1	...	...	...
...	+37.752	+44.243	-3	...	...	*	+41.660	+42.843	1.00	43.8638	10.2	...	+46.224	-26.420	-5	...	...	...
...	37.793	+35.137	-5	<i>m</i>	...	...	41.767	-43.052	-3	...	...	...	46.316	-36.432	-5	...	...	...
...	37.822	-21.557	-5	...	...	...	41.840	-59.037	-5	...	...	...	46.332	+26.806	-2	...	...	...
...	37.828	+24.512	-4	<i>m</i>	...	...	42.019	-39.026	0.90	44.9176	10.4	...	46.424	+37.262	-2	...	...	...
...	37.833	+46.408	-3	...	...	...	42.065	-53.230	-3	...	...	...	46.564	+24.237	-2	...	...	...
1131	+37.931	-13.041	-5	...	...	1191	+42.086	-3.415	-3	...	...	1251	+46.586	+43.781	-4	<i>b</i>	...	...
...	38.002	+21.774	-4	<i>m</i>	...	...	42.098	+44.368	0.90	43.8639	10.4	...	46.700	-5.260	-3	...	...	...
...	38.029	-55.778	-3	...	...	...	42.104	+54.582	-5	<i>m</i>	...	...	46.736	+47.147	-3	...	...	...
...	38.056	-13.616	-5	...	...	...	42.358	-11.704	0.70	...	...	...	46.798	+52.144	-2	...	...	...
...	38.126	-9.674	-1	...	...	N†	42.359	-30.100	-5	...	...	...	46.990	-51.033	-4	...	...	...
...	+38.218	+6.487	-4	<i>m</i>	...	...	+42.372	+18.287	-5	<i>m</i>	...	...	+47.006	+10.159	-2	...	...	...
...	38.229	+31.621	0.80	...	...	...	42.412	-58.570	-4	<i>a</i>	...	...	47.254	+39.785	-3	...	...	...
...	38.230	-50.168	-4	<i>a</i>	...	...	42.558	+41.653	-5	...	...	...	47.261	+9.602	0.75	...	...	...
...	38.238	-7.610	-5	...	...	...	42.661	+25.906	-4	<i>m</i>	...	...	47.270	-37.471	-5	...	...	...
...	38.353	-47.658	-3	...	...	...	42.673	-0.518	-5	<i>m</i>	...	*	47.426	+41.266	1.10	43.8644	10.0	...
1141	+38.436	+26.520	-4	<i>m</i>	...	1201	+42.717	-56.132	-5	...	...	1261	+47.445	-36.989	-3	...	...	...
...	38.662	+23.402	-5	<i>m</i>	...	...	42.776	-19.443	-4	...	...	...	47.566	+29.131	-1	...	...	...
...	38.709	+46.417	-3	...	...	...	42.882	-1.866	0.70	...	...	...	47.576	+2.047	-5	<i>m</i>	...	...
...	38.949	+31.902	-5	<i>m</i>	...	...	42.960	-17.577	-5	...	...	...	47.580	+12.258	-4	<i>m</i>	...	...
...	38.984	-16.917	-2	...	...	...	42.975	+36.301	-4	...	...	...	47.581	-22.695	-3	...	...	...
...	+39.169	-34.465	-5	...	...	...	+43.154	+39.143	0.80	43.8640	10.4	...	+47.700	-39.954	-5	...	...	...
*	39.207	+40.944	0.95	43.8637	10.4	*	43.185	+11.938	3.10	43.8641	7.6	...	47.759	+1.001	-5	<i>m</i>	...	...
...	39.249	-31.757	-4	...	...	...	43.215	-3.909	-5	...	...	...	47.867	-39.232	-5	<i>e</i>	...	...
...	39.268	+5.862	-5	<i>m</i>	...	...	43.225	-59.506	-5	...	...	...	47.966	+19.926	-1	...	...	...
...	39.316	-24.364	-3	...	...	...	43.396	+30.930	-5	<i>m</i>	...	...	47.999	-4.284	-4	...	...	...
1151	+39.364	+43.455	-5	<i>m</i>	...	1211	+43.405	-9.802	0.95	44.9177	10.4	1271	+48.011	+10.134	-5	<i>m</i>	...	...
...	39.380	-19.735	-2	...	...	...	43.444	+52.707	-5	<i>m</i>	...	...	48.033	-5.111	-4	...	...	...
...	39.509	+32.810	-3	...	...	...	43.444	-46.749	-3	...	...	*	48.175	-38.745	1.00	44.9180	10.4	...
...	39.659	-38.056	-4	...	...	...	43.457	-17.841	-4	...	...	...	48.271	-21.416	-5	...	...	...
...	39.728	+51.731	-1	...	...	*	43.556	+5.089	2.30	43.8642	8.3	*	48.296	-8.950	0.95	44.9178	10.2	...
*	+39.755	-38.092	1.70	44.9174	9.0	...	+43.564	-57.518	-4	...	...	...	+48.303	-0.360	-2	<i>e</i>	...	...
...	39.815	+15.350	-5	<i>m</i>	...	...	43.623	+58.086	-5	<i>m</i>	...	...	48.348	+11.021	-4	<i>m</i>	...	...
...	39.903	+19.867	-2	...	...	...	43.868	+29.530	-5	<i>m</i>	...	*	48.399	-21.136	1.00	44.9179	10.2	...
...	39.957	-33.905	-4	...	...	...	44.042	+43.397	0.70	...	...	...	48.449	-35.932	-1	...	...	...
†	40.165	+11.988	-3	...	...	...	44.395	+12.132	-5	<i>m</i>	...	...	48.622	+23.757	-2	...	...	...
1161	+40.178	-36.485	-4	...	...	1221	+44.455	+20.023	-5	<i>m</i>	...	1281	+48.629	-25.845	0.70	...	...	...
...	40.273	-46.936	-4	...	...	...	44.562	+7.848	-5	<i>m</i>	...	*	48.692	-25.355	0.95	44.9181	10.4	...
...	40.355	-32.963	-5	...	...	...	44.720	+11.844	-2	...	...	...	48.814	+45.172	-3	...	...	...
...	40.476	-12.458	-5	...	...	...	45.057	-34.693	-5	...	...	...	48.824	+17.018	-5	<i>m</i>	...	...
...	40.545	+4.052	-5	<i>m</i>	...	...	45.097	-13.603	-5	...	...	...	48.856	-23.999	-5	...	...	...
...	+40.551	-28.136	-3	...	...	...	+45.123	-43.280	-5	...	...	...	+48.964	+5.411	-4	<i>e</i>	...	...
N [	40.594	+49.035	0.90	...	...	...	45.146	-16.758	-2	...	...	...	49.009	+34.009	-2	...	...	...
...	40.689	-37.365	-5	...	...	...	45.245	-26.129	-1	...	...	...	49.056	+23.234	-5	<i>m</i>	...	...
...	40.745	+53.138	0.75	...	...	...	45.252	-43.258	-4	...	...	...	49.095	-22.397	-2	...	...	...
...	40.928	-17.876	0.85	44.9175	10.4	...	45.345	+11.793	-4	<i>m</i>	...	...	49.288	-17.501	-2	...	...	...

1167. Mass. 43° 111, two stars.

1195. Very difficult to measure.

1240, 1243. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1291-1350						1351-1410						1411-1461					
1291	+49'289	+26'339	-4	...	...	1351	+52'980	-4'489	-4	...	...	1411	+56'812	+7'063	-5	e	...
...	49'341	+38'810	-3	...	...	...	53'012	+32'386	-5	e	...	...	56'827	-41'352	-5	...	...
...	49'350	-3'052	-5	...	...	...	53'113	-8'521	-4	...	...	...	56'906	+4'476	-3	...	...
*	49'382	+17'356	1.10	43.8645	10.2	...	53'141	+42'488	0.65	...	...	...	56'931	+22'704	-5	m	...
...	49'413	-45'726	-5	...	...	...	53'181	+7'711	-5	e	...	*	56'935	+42'182	1.20	43.8651	9.8
...	+49'492	-2'214	-2	...	...	...	+53'283	-32'867	-4	...	...	...	+56'984	-53'533	-3	...	...
...	49'497	+43'281	-4	...	...	...	53'521	+7'697	-2	...	...	...	57'039	-37'305	-2	...	...
...	49'519	+1'300	-4	...	...	...	53'560	+48'251	-3	...	...	...	57'085	+35'871	-5	e	...
...	49'655	-37'617	-5	...	...	...	53'631	+8'357	-5	m	...	...	57'191	+30'615	-4	e	...
...	49'747	-40'655	-5	e	...	...	53'712	-19'724	-5	...	...	...	57'380	-35'958	-5	...	...
1301	+49'766	-3'268	-4	...	...	1361	+53'742	-32'046	-5	...	...	1421	+57'438	+29'677	-2	...	...
...	49'829	-40'771	-4	...	...	...	53'775	-21'145	-5	...	...	...	57'525	+40'843	-2	...	...
...	49'848	-11'900	-1	...	...	...	53'816	+18'906	0.65	...	...	*	57'536	+23'091	0.95	43.8652	10.2
...	49'906	+44'635	-3	e	...	...	53'876	-9'692	0.70	...	...	...	57'576	+7'957	-1	...	...
...	49'956	-48'129	-4	...	...	...	53'942	+17'868	-5	e	...	...	57'696	+55'547	-4	...	...
...	+49'992	+4'890	0.65	...	...	...	+53'992	-48'704	-2	...	...	...	+57'720	+24'332	-4	e	...
...	50'024	+43'774	-5	m	...	...	54'022	-5'265	-5	...	...	...	57'787	-1'208	0.90	44.9191	10.4
...	50'027	+56'914	-1	...	...	...	54'034	-21'282	-5	...	...	...	57'817	+27'218	-4	e	...
...	50'132	-50'597	-5	...	...	...	54'198	+47'285	1.00	43.8649	10.2	...	57'836	-33'466	-4	...	...
*	50'312	+29'454	1.10	43.8646	10.2	...	54'319	-21'520	0.65	...	...	...	57'864	-32'197	-5	...	...
1311	+50'349	+50'074	-5	...	...	1371	+54'345	+3'447	-5	e	...	1431	+57'872	-24'918	-3	...	...
S †	50'401	-40'120	2.00	44.9182	8.8	...	54'356	+13'271	-5	e	...	...	58'015	+13'977	-2	...	...
...	50'517	+28'479	0.65	...	...	...	54'414	+28'034	-5	e	...	...	58'016	+29'631	-5	e	...
...	50'639	-26'039	0.75	...	...	...	54'441	+23'074	-3	e	...	...	58'048	+18'932	-5	e	...
...	50'706	-54'974	-4	...	...	...	54'446	+27'481	-5	m	...	...	58'089	-53'916	-5	...	...
...	+50'737	-21'848	-5	...	...	...	+54'500	-27'538	-5	...	...	...	+58'188	+14'676	-5	m	...
...	50'786	-30'232	-5	...	...	...	54'512	-25'481	-5	...	...	...	58'278	+15'974	-5	e	...
...	50'904	-6'121	-5	...	...	...	54'533	-24'392	-4	...	...	...	58'302	-12'724	-4	...	...
...	50'932	+12'490	-5	m	...	...	54'560	-54'447	0.95	44.9188	10.4	...	58'407	-33'277	-5	m	...
...	50'952	-49'760	0.95	44.9183	10.2	...	54'647	+25'328	0.70	...	...	...	58'429	-16'743	-5	...	...
1321	+51'032	-47'187	-1	...	...	1381	+54'767	+31'380	-5	e	...	1441	+58'556	+11'072	-4	e	...
...	51'041	+18'675	-5	e	...	...	54'882	+15'333	-5	m	...	...	58'682	-58'755	-5	...	...
...	51'078	+41'103	-5	e	...	...	54'904	-14'060	-5	...	...	...	58'717	+30'059	-4	e	...
...	51'116	-49'818	-4	...	...	...	54'953	+38'601	-3	...	...	...	58'750	+56'979	-2	...	...
...	51'173	+22'494	-5	e	...	...	54'991	-14'679	-5	...	...	...	58'864	+9'656	-5	m	...
...	+51'182	+40'979	-2	...	...	...	+55'053	+19'356	1.20	43.8650	10.2	...	+58'940	-38'200	-5	...	...
...	51'196	+52'920	-5	e	...	...	55'142	+15'871	-3	...	...	*	59'002	-1'651	1.40	44.9192	9.8
*	51'211	+25'079	4.30	43.8647	6.9	...	55'183	+30'917	-4	...	...	...	59'061	-27'306	-5	...	...
...	51'237	-46'211	-5	...	...	...	55'215	-56'575	-5	...	...	...	59'075	+16'186	-4	...	...
...	51'245	+5'157	-3	...	...	...	55'270	-44'706	0.80	...	...	...	59'087	+38'758	-1	...	...
1331	+51'375	+14'429	-5	e	...	1391	+55'321	-29'664	1.60	44.9189	9.6	1451	+59'144	-42'429	-5	...	...
...	51'406	-13'458	-3	...	...	...	55'400	+58'911	-5	e	...	...	59'222	+33'610	-5	e	...
...	51'551	-50'771	-3	...	...	...	55'406	+30'518	-4	e	...	...	59'266	+59'199	-1	43.8653	10.4
...	51'639	-16'644	0.75	...	...	...	55'456	+19'171	-5	e	...	...	59'301	-44'126	-3	...	...
*	51'642	-53'863	1.10	44.9185	10.4	...	55'466	-53'435	1.00	44.9190	10.2	...	59'306	-59'825	-3	...	...
...	+51'708	-17'396	-4	...	...	...	+55'577	+39'934	-1	...	...	...	+59'538	+55'019	-5	...	...
...	51'781	-1'314	-5	...	...	...	55'582	-5'738	-4	...	...	...	59'555	-29'364	-4	...	...
*	52'049	+34'266	1.00	43.8648	10.4	...	55'723	+17'675	-5	e	...	...	59'555	-29'364	-4	...	...
...	52'139	+25'542	0.75	...	...	...	55'724	+23'595	-5	e	...	...	59'742	-28'541	-5	...	...
...	52'183	+35'035	-4	e	...	...	55'866	-14'724	-5	e	...	*	59'749	-7'858	0.95	44.9193	10.4
1341	+52'205	-5'173	1.20	44.9184	9.8	1401	+56'051	-59'811	-5	...	...	1461	+59'814	-21'433	-5	...	...
†	52'264	-58'608	1.10	44.9187	10.2	...	56'141	-14'714	-4	...	...	...	...	...	...	...	...
...	52'327	+35'338	-5	m	...	...	56'173	+4'427	-4	e	...	...	...	...	...	...	...
S *	52'422	-6'903	2.05	44.9186	8.4	...	56'201	+5'721	-4	...	...	...	...	...	...	...	...
...	52'651	-50'668	-4	...	...	...	56'356	+35'255	-3	...	...	...	...	...	...	...	...
...	+52'706	+48'459	0.85	...	...	...	+56'494	-54'476	-4	...	...	...	...	...	...	...	...
...	52'804	+14'560	-5	e	...	...	56'673	+16'311	0.85	...	...	...	...	...	...	...	...
...	52'893	-13'424	-4	...	...	...	56'733	-36'219	-5	e	...	...	...	...	...	...	...
...	52'952	+20'749	-3	...	...	...	56'736	+8'875	-4	e	...	...	...	...	...	...	...
...	52'980	-9'245	-3	...	...	...	56'736	-49'473	-4	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	-59.602	-0.534	-3	° E	...	61	-55.568	-55.081	-4	° ...	...	121	-51.933	+35.956	-5	° E	...
†	59.441	+26.176	-4	...	...	...	55.553	+14.524	-5	E	...	...	51.917	+55.628	-1	...	...
...	59.401	-51.222	-5	...	...	*	55.458	-49.817	0.90	44.9183	10.2	...	51.899	+4.499	-4	E	...
...	59.390	+15.820	-5	M	...	...	55.451	-47.249	-2	...	...	...	51.897	+5.782	-3	...	...
...	59.383	+44.500	-3	E	...	...	55.312	-49.873	-4	...	...	...	51.741	+16.391	0.70	...	...
*	-59.364	-9.119	0.95	44.9178	10.2	S *	-55.288	-6.942	1.90	44.9186	8.4	...	51.708	-54.404	0.85	44.9188	10.4
...	59.351	-37.171	-3	...	...	...	55.276	-46.272	-5	...	...	*	51.707	-29.594	1.30	44.9189	9.6
...	59.139	+5.258	-4	E	...	*	55.164	+47.284	1.00	43.8649	10.2	...	51.669	+30.694	-4	E	...
...	59.097	+49.946	-4	...	...	...	54.971	+7.682	-5	E	...	...	51.641	+40.930	0.70	...	...
*	59.078	+17.195	1.00	43.8645	10.2	...	54.836	-50.817	-3	...	...	...	51.606	-14.648	-5	E	...
II	-58.992	-21.584	-5	...	...	71	-54.817	-4.518	-4	...	...	131	-51.585	+39.248	-5	M	...
*	58.892	-21.299	1.00	44.9179	10.2	...	54.773	+46.873	-5	M	...	...	51.565	-30.518	-5	...	...
...	58.848	-39.407	-5	E	...	...	54.698	+18.897	-1	...	...	...	51.468	+8.965	-4	E	...
...	58.781	-12.506	-5	M	...	†	54.689	-9.261	-3	...	...	†	51.399	+29.772	-3	...	...
*	58.577	-38.906	1.00	44.9180	10.4	†	54.646	-53.904	0.95	44.9185	10.4	...	51.343	+7.155	-5	E	...
*	-58.513	+29.338	1.00	43.8646	10.2	†	-54.644	+7.683	-2	...	...	...	-51.325	-14.629	-5	...	...
...	58.507	-26.003	0.80	...	...	†	54.617	-13.456	-4	...	...	...	51.317	-42.769	-5	M	...
...	58.487	-3.198	-5	...	...	...	54.556	-8.553	-4	...	...	...	51.292	-44.640	0.70	...	...
*	58.467	-25.504	1.00	44.9181	10.4	...	54.544	+17.862	-4	E	...	...	51.154	+4.568	-3	...	...
...	58.446	+1.170	-3	...	...	...	54.387	+28.032	-4	E	...	*	51.089	+23.203	0.95	43.8652	10.2
21	-58.395	-36.080	-1	...	...	81	-54.328	+58.940	-5	E	...	141	-50.982	-56.503	-5	...	...
...	58.393	+6.860	-5	M	...	...	54.210	-21.951	-5	M	...	...	50.951	+24.454	-4	E	...
...	58.377	-2.356	-1	...	...	...	54.205	+23.078	-3	E	...	...	50.940	+27.321	-5	E	...
...	58.355	+52.827	-5	E	...	...	54.150	+38.602	-3	...	...	...	50.917	+57.088	0.75	...	...
...	58.289	+28.357	-2	...	...	...	54.123	+31.384	-5	E	...	*	50.824	-53.358	0.95	44.9190	10.2
...	-58.165	-22.530	0.65	...	...	...	-54.069	+25.325	0.65	...	...	†	-50.804	+29.746	-5	E	...
...	58.119	-17.635	-1	...	...	...	53.984	+13.273	-5	E	...	...	50.599	+8.068	0.70	...	...
...	58.099	+4.747	0.65	...	...	...	53.935	+23.204	-5	M	...	...	50.467	+19.058	-5	E	...
...	58.095	+41.004	-4	E	...	...	53.882	-58.627	1.00	44.9187	10.2	*	50.451	+59.336	0.90	43.8653	10.4
...	58.062	-3.388	-4	...	...	...	53.764	-9.690	0.70	...	...	...	50.339	+14.098	-2	...	...
31	-57.982	+40.883	-3	...	...	91	-53.752	-5.264	-5	...	...	151	-50.154	+16.109	-5	E	...
...	57.727	-12.020	0.65	...	...	...	53.741	-50.699	-5	...	...	...	50.130	+30.201	-4	E	...
...	57.453	+18.578	-5	E	...	...	53.697	+30.943	-3	...	...	...	50.127	+4.104	-5	M	...
*	57.444	+24.985	3.20	43.8647	6.9	...	53.682	+3.460	-5	E	...	*	50.112	-1.091	0.90	44.9191	10.4
...	57.425	+22.407	-4	E	...	...	53.650	-32.876	-4	...	...	...	50.097	-36.112	-5	E	...
...	-57.144	-37.736	-5	...	...	...	-53.610	-19.723	-5	...	...	...	-50.059	+55.172	-4	...	...
...	57.003	+14.342	-5	E	...	...	53.569	+39.964	0.70	...	...	...	50.058	-59.699	-5	...	...
...	56.956	-40.766	-5	E	...	...	53.513	-21.138	-5	...	...	...	50.028	+38.887	0.70	...	...
*	56.921	+34.198	1.00	43.8648	10.4	*	53.462	+19.376	1.00	43.8650	10.2	...	50.000	+1.021	-5	M	...
...	56.878	-40.879	-4	...	...	...	53.459	+30.557	-4	E	...	...	49.846	-16.460	-5	...	...
41	-56.836	+5.080	-3	...	...	101	-53.279	+15.908	-3	...	...	161	-49.773	-54.362	-4	...	...
...	56.822	-6.205	-4	...	...	...	53.250	-21.271	-4	...	...	...	49.768	-37.246	-2	...	...
...	56.802	+34.970	-4	E	...	...	53.221	-32.048	-5	...	...	...	49.727	+11.212	-5	E	...
...	56.697	+48.403	0.85	...	...	...	53.075	+19.214	-5	E	...	...	49.724	+33.749	-5	E	...
...	56.571	+25.473	0.75	...	...	...	52.960	-21.494	0.65	...	...	...	49.697	-49.359	-5	...	...
...	-56.523	-48.225	-4	...	...	...	-52.934	+23.643	-5	E	...	...	-49.471	+21.775	-5	M	...
...	56.521	-21.921	-4	...	...	...	52.738	+17.732	-5	E	...	...	49.453	-35.852	-4	...	...
...	56.491	-26.158	0.80	...	...	...	52.692	+40.283	-5	M	...	...	49.399	+52.452	0.90	...	...
S *	56.293	-40.199	1.95	44.9182	8.8	...	52.663	-24.359	-3	...	...	...	49.353	+16.326	-3	...	...
...	56.248	-50.662	-5	...	...	...	52.654	-25.454	-5	...	...	...	49.319	-53.423	-2	...	...
51	-56.206	-30.302	-5	...	...	III	-52.642	+35.312	-1	...	...	171	-49.304	-24.791	-3	...	...
...	56.111	-13.526	-2	...	...	...	52.597	-14.032	-5	...	...	...	49.246	-12.586	-5	...	...
...	56.091	-1.372	-4	...	...	...	52.584	-27.496	-5	...	...	...	49.105	-32.082	-5	...	...
...	56.078	+42.446	-2	...	...	...	52.501	-24.256	-5	...	...	...	49.090	-33.340	-4	...	...
...	55.892	+32.347	-5	E	...	...	52.492	-14.636	-5	...	...	...	48.998	-16.608	-4	...	...
...	-55.849	+48.215	-4	...	...	...	-52.465	-48.676	-2	...	...	...	-48.907	+37.847	-3	...	...
*	55.787	-16.703	0.85	...	...	...	52.446	+43.293	-5	M	...	*	48.877	-1.496	1.20	44.9192	9.8
...	55.682	-17.446	-4	...	...	*	52.276	+42.254	1.15	43.8651	9.8	...	48.519	+40.710	-4	M	...
...	55.601	+20.712	-3	...	...	...	52.176	-5.678	-4	...	...	...	48.493	+19.850	-5	M	...
†	55.569	-5.228	1.00	44.9184	9.8	...	52.081	-29.696	-5	...	...	...	48.295	+27.515	0.65	...	...

MC measured from 1, 166, 319, 483, 636, 772, 896, 1013, 1152, 1272, 1398, 1524.
 ES " " 75, 241, 403, 553, 707, 844, 958, 1084, 1206, 1330, 1462, 1596.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		-z.	No.		Mag.	x.		y.	-z.	No.	Mag.
181-240						241-300						301-360					
181	-48.238	+23.097	-4	M	...	241	-44.558	+13.557	-5	M	...	301	-41.109	+0.683	-2	...	...
...	48.181	-53.766	-4	...	...	...	44.360	+22.860	-5	M	...	...	41.032	-35.480	-5	...	...
...	48.108	-35.840	-5	M	...	...	44.335	+21.066	-3	...	...	...	40.904	-47.250	-5	...	...
...	48.049	-27.143	-5	...	...	...	44.284	+14.391	-5	M	...	...	40.873	+32.266	-5	M	...
*	47.949	-7.685	0.95	44.9193	10.4	*	44.282	+30.292	1.05	43.8656	10.0	...	40.864	-4.842	-2	...	...
*	-47.942	+34.926	0.90	...	...	...	-44.264	-49.332	-5	...	...	...	-40.826	+1.290	-5	M	...
...	47.829	-38.035	-4	...	...	...	44.229	+1.014	-5	M	...	...	40.811	-1.195	-5	...	...
...	47.692	+1.539	-5	M	...	...	44.053	+39.411	-5	M	...	...	40.610	-39.388	-2	...	...
...	47.679	+26.022	-5	M	...	...	44.053	+11.768	-5	M	...	...	40.500	-19.968	-2	...	...
...	47.625	-13.109	-5	...	...	...	44.010	+21.032	-3	A	...	...	40.431	+27.514	-2	...	...
191	-47.580	-13.238	-5	M	...	251	-44.003	+28.314	-4	M	...	311	-40.413	+7.981	-4	...	...
...	47.498	-29.182	-3	...	...	...	43.942	+8.302	-5	M	...	...	40.334	-30.174	-3	...	...
...	47.498	-42.262	-5	...	...	...	43.803	+22.650	-5	M	...	...	40.332	+32.241	-3	...	...
...	47.474	-58.885	-4	...	...	...	43.722	+52.707	-4	M	...	...	40.330	-2.765	-2	...	...
...	47.472	-21.240	-4	...	...	...	43.703	+27.204	-3	...	...	...	40.275	-58.296	-5	...	...
...	-47.459	+42.916	-5	M	...	...	-43.689	-48.178	-3	...	...	...	-40.152	-2.099	-4	...	...
...	47.445	+37.772	-5	M	...	...	43.669	-9.516	-4	...	...	...	40.066	+47.866	-5	M	...
...	47.331	-28.356	-4	...	...	*	43.667	-58.282	1.40	44.9194	9.8	...	39.788	-16.825	-5	...	...
...	47.292	-43.929	-2	...	...	...	43.471	-23.567	-5	...	...	...	39.652	+15.438	-4	M	...
...	46.996	+45.499	-4	...	...	...	43.465	-35.244	-5	...	...	...	39.488	-3.452	-4	...	...
201	-46.982	+43.365	-5	M	...	261	-43.438	-17.375	-5	...	...	321	-39.443	+10.228	-5	M	...
...	46.879	+42.233	-3	...	...	...	43.225	-35.789	0.70	...	...	...	39.294	-6.504	-5	...	...
...	46.794	-59.628	-1	...	...	...	43.196	+11.352	0.65	...	...	*	39.057	-43.287	0.90	44.9197	10.4
...	46.783	-3.343	-5	M	...	...	43.134	+28.977	-5	M	...	...	38.940	+10.936	-3	...	...
...	46.743	+52.207	-5	M	...	...	43.114	-45.544	-2	...	...	...	38.899	+47.363	-5	M	...
...	-46.711	+11.544	-5	M	...	...	-43.066	+37.243	-3	A	...	...	-38.872	+30.602	-5	M	...
...	46.647	-21.432	-3	...	...	...	42.962	+5.341	-5	M	...	...	38.849	+34.789	-4	...	...
...	46.646	-50.293	-3	...	...	...	42.942	+52.074	0.80	...	...	*	38.827	+8.820	1.00	43.8659	10.0
...	46.644	-4.180	-4	...	...	...	42.903	-43.687	-5	...	...	...	38.720	+45.367	-5	M	...
...	46.588	+16.309	-5	M	...	*	42.855	-26.836	1.05	44.9195	9.9	...	38.643	+46.171	-5	M	...
211	-46.585	+41.425	-4	M	...	271	-42.818	+20.135	-2	...	...	331	-38.631	+24.652	-4	M	...
...	46.577	-20.595	-3	...	...	...	42.816	+21.674	-4	M	...	*	38.498	+55.543	1.20	43.8660	10.2
...	46.558	+28.408	-1	...	...	...	42.772	-26.085	0.65	...	...	...	38.457	+30.947	-3	...	...
...	46.494	-37.537	-3	...	...	...	42.727	-17.779	-3	...	...	...	38.451	+2.312	-5	M	...
*	46.468	-18.394	0.90	...	...	...	42.582	-40.991	-3	...	...	...	38.268	-58.288	-5	...	...
...	-46.437	+45.071	-4	M	...	...	-42.566	+41.784	-4	M	...	...	-38.166	-23.873	-4	...	...
...	46.422	+54.284	-3	...	...	...	42.535	+27.135	-4	M	...	*	38.141	-10.452	0.95	44.9198	10.4
*	46.293	+47.401	1.00	43.8655	10.2	...	42.518	-24.187	-4	...	...	...	38.103	+49.979	-5	M	...
...	46.269	+57.380	-3	...	...	...	42.517	-21.062	-5	...	...	...	37.922	+26.145	-5	M	...
...	46.191	+12.067	-4	M	...	...	42.432	+51.040	-3	...	...	...	37.881	-33.402	-4	...	...
221	-46.175	+15.365	0.90	43.8654	10.4	281	-42.361	+32.545	0.90	43.8657	10.4	341	-37.837	-58.839	-5	M	...
...	46.123	-19.131	-5	M	...	...	42.329	-52.400	-4	...	...	*	37.760	+5.034	0.90	43.8661	10.4
...	46.065	-30.931	-3	...	...	...	42.317	-13.908	-4	...	...	...	37.703	-27.075	0.70	...	...
...	46.008	-24.744	-5	...	...	...	42.274	-35.383	-4	...	...	S*	37.604	+27.066	1.25	43.8662	9.4
...	45.967	+14.266	-5	M	...	...	42.197	+43.806	-4	...	...	...	37.599	+30.149	-5	M	...
...	-45.918	-25.413	-5	M	...	...	-42.184	-6.765	-5	...	...	...	-37.418	+57.233	-5	M	...
...	45.675	+33.152	-5	M	...	...	42.078	-53.658	-3	...	...	...	37.312	+44.430	-5	M	...
...	45.582	-6.316	-4	...	...	...	42.006	+1.337	-5	M	...	...	37.087	+31.991	-5	M	...
*	45.479	+38.327	0.90	...	...	*	41.851	-12.083	0.90	...	...	...	37.068	+46.970	-4	M	...
...	45.262	-46.818	-4	...	...	...	41.822	-56.756	-4	...	...	...	37.066	+40.420	-5	M	...
231	-45.207	-25.689	-3	...	...	291	-41.675	-3.191	-3	...	...	351	-36.978	+22.520	-4	M	...
...	45.193	+49.546	-4	M	...	...	41.673	-29.507	-5	...	...	...	36.934	-36.637	-5	...	...
...	45.160	-6.529	-3	...	...	*	41.580	+53.781	1.00	43.8658	10.4	...	36.916	+25.164	-5	M	...
...	45.154	-48.381	-4	...	...	...	41.480	+17.381	-2	...	...	...	36.910	+39.125	-5	M	...
...	45.068	-36.774	-5	...	...	...	41.470	-25.457	-5	M	...	...	36.895	+1.632	-5	M	...
...	-45.060	+0.991	-5	M	...	...	-41.440	+54.826	-4	M	...	...	-36.843	+58.134	-4	...	...
N	44.864	-49.966	-5	...	...	...	41.415	-18.375	-2	...	...	...	36.710	+14.882	-5	M	...
...	44.808	-35.603	-5	...	...	...	41.407	-15.932	-5	...	...	...	36.651	-0.596	-5	...	...
...	44.765	-4.271	-4	...	...	...	41.234	-30.873	-5	...	...	...	36.607	-34.275	-5	...	...
†	44.655	+57.446	-4	A	...	...	41.212	-44.820	0.80	44.9196	10.4	...	36.601	-59.672	-5	...	...

237. Diffused; difficult to measure.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
361-420						421-480						481-540						
361	-36°513	-23°812	-4	...	...	421	-33°569	+32°747	0.80	...	...	481	-29°740	-39°538	-5	...	...
...	36°488	+0°379	-2	...	...	...	33°283	+39°984	-5	M	...	...	†	29°715	-13°751	-2	...	...
...	36°475	-57°345	1.00	44.9199	10.0	...	33°166	-49°108	-5	...	...	...	...	29°489	+32°269	-5	M	...
*	36°340	+30°965	-4	M	...	...	33°130	+14°059	-4	M	...	...	...	29°476	-52°007	-1	...	...
...	36°278	+42°633	-5	M	...	...	33°073	+50°321	-5	M	...	...	...	29°333	+48°599	-5	M	...
...	-36°257	+40°999	-5	M	...	...	-33°065	-31°045	-2	...	...	...	...	-29°300	-58°444	-1	...	...
...	36°093	+32°083	-5	M	...	...	32°951	+5°628	-3	...	...	...	...	29°123	+21°071	-5	M	...
...	36°073	-23°889	-4	...	...	...	32°942	+11°979	-5	M	...	...	...	29°058	+47°290	-5	M	...
...	36°039	+22°054	-5	M	...	...	32°853	-36°415	-2	...	...	...	...	29°038	+39°463	-4	M	...
...	36°016	+2°819	-3	...	...	...	32°840	+30°953	-5	M	...	...	...	28°903	-23°543	-5	...	...
371	-35°928	-50°996	-5	...	...	431	-32°616	-17°972	1.20	44.9204	9.6	491	-28°869	+15°642	-4	M	...	
...	35°861	+41°041	-5	M	...	...	32°580	+2°426	-3	...	...	...	...	28°866	-30°523	-4	...	...
...	35°852	-32°702	-5	...	...	...	32°536	-46°736	-5	...	...	...	...	28°746	+53°211	-5	M	...
*	35°841	-2°427	1.10	44.9202	9.8	...	32°523	-53°084	-5	...	...	...	...	28°736	+48°157	-4	M	...
...	35°815	+27°029	-4	M	...	...	32°503	+47°684	-1	...	...	...	...	28°635	-31°017	-4	...	...
*	-35°792	+0°997	0.95	43.8663	10.4	...	-32°424	-41°594	-5	M	...	...	*	-28°567	-33°003	1.00	44.9210	10.2
*	35°760	+7°018	0.90	43.8664	10.2	...	32°374	-10°255	-3	...	...	...	*	28°562	-9°234	1.00	44.9211	10.2
...	35°758	-17°530	-5	...	...	...	32°373	+28°689	-5	M	...	...	*	28°535	-54°383	0.90	44.9209	10.4
†	35°662	-30°141	-4	...	...	...	32°360	-0°600	-3	...	...	...	...	28°335	+8°635	-1	...	...
*	35°651	-43°499	1.40	44.9200	9.6	...	32°354	+33°017	-2	...	...	...	...	28°015	+25°880	-4	M	...
381	-35°624	+8°034	-1	...	...	441	-32°320	+18°084	-5	M	...	501	-27°937	-44°663	0.80	...	...
N	35°613	+7°529	0.65	...	...	...	32°202	-18°033	-5	...	...	...	...	27°925	+46°495	-5	M	...
...	35°590	-47°921	-4	...	...	...	32°069	-57°000	-5	...	...	...	...	27°866	-6°066	-5	...	...
...	35°543	+59°335	-1	...	...	...	32°038	+31°134	-5	M	...	...	...	27°811	+25°172	1.00	43.8668	10.4
*	35°503	-35°784	1.20	44.9201	9.9	...	32°016	+46°033	-5	M	...	...	...	27°755	+16°496	-5	M	...
...	-35°369	+36°649	-4	M	...	...	-32°016	+27°436	-5	M	...	...	...	-27°651	-10°978	-4	...	...
...	35°343	+36°229	-3	...	...	...	32°012	-20°539	-4	...	...	...	...	27°524	+45°450	0.80	...	...
...	35°343	+15°394	-5	M	...	...	32°003	-35°235	-5	...	...	...	...	27°461	+23°342	-5	M	...
...	35°339	-5°546	-4	...	...	...	31°963	-7°169	0.65	...	...	...	...	27°458	+5°678	-5	M	...
...	35°330	-29°152	-2	...	...	...	31°938	+11°155	-5	M	...	...	...	27°437	-16°067	-4	...	...
391	-35°296	-41°733	-1	...	...	451	-31°933	-6°108	-3	...	...	511	-27°403	-12°586	-1	...	...
...	35°279	+32°853	-3	...	...	*	31°877	-15°272	0.80	44.9207	10.4	...	...	27°309	-11°109	0.70	...	...
...	35°213	-39°014	-3	...	...	*	31°776	-44°515	0.90	44.9205	10.4	...	...	27°108	-0°337	-3	...	...
...	35°195	-44°815	-5	M	...	...	31°735	+20°236	-5	M	...	...	...	27°027	-16°351	0.75	...	...
...	35°067	-6°312	-4	...	...	...	31°725	+34°287	-4	M	...	...	...	27°018	+41°667	-5	M	...
...	-34°947	+25°644	-4	M	...	...	-31°698	-28°244	-3	...	...	...	...	-27°014	+12°002	-2	...	...
...	34°933	+16°300	-4	M	...	*	31°697	-46°107	1.20	44.9206	9.8	...	...	26°983	-17°572	-1	...	...
N	34°924	+25°146	-5	M	...	...	31°603	+2°598	-2	...	...	...	...	26°687	-3°728	-5	...	...
...	34°821	-5°257	-4	...	...	...	31°595	+3°262	-4	M	...	...	...	26°643	+48°317	-2	...	...
...	34°806	+5°001	0.75	...	...	...	31°592	+45°793	-5	M	...	...	...	26°630	-47°153	-4	...	...
401	-34°753	-1°833	-2	...	...	461	-31°331	+52°658	-5	M	...	521	-26°310	-1°384	-5	...	...
†	34°728	-1°893	-2	...	...	...	31°251	-41°283	-5	...	...	...	...	26°207	+53°413	-4	M	...
...	34°539	+22°670	-4	M	...	...	31°239	+45°663	-5	M	...	...	...	26°130	-4°253	-4	...	...
...	34°518	-15°850	-3	...	...	...	31°225	+8°930	-4	M	...	...	...	26°106	+26°660	-1	...	...
...	34°407	+22°509	-4	M	...	...	31°215	+24°412	-5	M	...	...	...	26°043	-34°363	-3	...	...
...	-34°341	-52°736	-1	...	...	*	-31°150	+56°995	1.10	43.8666	10.0	...	...	-25°986	-33°639	-3	...	...
†	34°311	-45°032	-3	...	...	...	30°944	+22°359	-5	M	...	...	...	25°967	+7°059	-5	M	...
...	34°271	+42°225	-4	...	...	...	30°801	+8°173	-4	M	...	*	...	25°882	-51°467	1.00	44.9212	9.8
...	34°155	+33°128	-5	M	...	*	30°714	-20°937	0.90	44.9208	10.4	*	...	25°825	-44°490	0.90	...	...
†	34°131	-30°081	-2	...	...	...	30°713	-24°587	-4	...	...	...	...	25°731	+48°240	-5	M	...
411	-34°131	-43°677	1.05	44.9203	10.0	471	-30°658	-31°301	-2	...	...	531	-25°634	-17°105	-5	...	...
*	34°072	+14°599	-5	M	...	...	30°414	+8°878	-5	M	...	...	...	25°607	-8°282	-1	...	...
...	34°062	+41°459	-2	...	...	...	30°355	-58°318	-3	...	...	...	...	25°579	-32°628	-5	...	...
...	34°037	+27°432	-5	M	...	...	30°338	+38°385	-3	...	...	...	...	25°429	+0°207	-1	C	...
...	34°026	-33°651	-3	...	...	...	30°320	-17°110	-4	...	...	...	...	25°365	-57°058	-1	...	...
...	-33°949	-17°917	-5	...	...	*	-30°245	+37°152	0.85	43.8667	10.4	...	...	-25°349	-51°888	-5	M	...
...	33°896	+19°926	-5	M	...	...	29°973	-1°786	-4	...	...	...	...	25°336	-42°295	-1	...	...
...	33°830	-56°580	-5	...	...	...	29°948	-37°352	-2	...	...	...	...	25°267	-24°114	0.85	...	...
...	33°822	-35°043	-3	...	...	...	29°872	-57°110	0.70	...	...	...	...	25°233	+28°075	0.65	...	...
...	33°702	+36°490	-4	M	...	†	29°776	-52°933	-2	...	...	...	...	25°173	+17°118	-5	M	...

382. Obscures 2nd image of 381.

398. Obscures 2nd image of 396.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
541-600					601-660					661-720								
541	-25.164	+50.989	-5	°	...	601	-21.729	+3.205	-5	°	M	...	661	-17.928	+3.037	-1	°	...
...	25.162	+16.279	-4	...	...	...	21.703	-51.339	-5	...	M	...	...	17.898	+1.552	-5	...	M
...	25.126	+42.643	-3	...	...	...	21.670	-17.640	-5	...	...	...	...	17.797	-30.740	-4	...	...
...	25.107	+12.941	-5	M	...	...	21.624	+55.153	-3	...	...	...	...	17.578	+41.574	-2	...	...
...	25.071	-9.500	-5	...	...	...	21.615	-39.231	-4	...	...	...	...	17.554	-23.621	-5	...	...
...	-25.070	+33.817	-5	M	...	...	-21.501	-32.803	-4	...	...	...	...	-17.506	+24.977	-4	...	M
...	25.062	-20.767	-5	...	...	...	21.447	-45.611	-5	...	...	...	...	17.328	-36.058	-2	...	...
...	25.060	-7.692	-5	...	...	...	21.363	+38.625	-4	M	...	...	...	17.328	-44.740	-5	...	...
...	24.964	+24.093	-4	M	...	*	21.244	-45.271	1.10	44.9216	9.8	†	...	17.323	+29.764	0.85	...	...
†	24.796	+14.809	-3	...	...	...	21.179	+56.379	-3	...	...	...	...	17.321	+7.479	-5	M	...
551	-24.792	+58.691	-5	M	...	611	-21.163	+53.980	-5	M	...	671	-17.127	+37.576	-1	...	...
...	24.782	+12.152	-5	M	...	...	21.086	+13.261	-5	M	...	...	...	17.124	+47.084	-3	...	...
...	24.558	+52.213	-5	M	...	...	21.075	+45.185	0.80	...	...	...	...	17.111	-45.409	-5	...	...
...	24.460	-24.453	-5	...	...	...	20.959	+34.302	-5	M	...	...	...	17.108	-20.091	0.65	44.9221	10.4
...	24.388	+12.051	-5	M	...	...	20.953	+7.132	-5	M	...	*	...	17.108	-21.773	0.95	44.9220	10.4
...	-24.307	+48.541	-5	M	...	...	-20.869	+45.703	0.85	43.8669	10.4	...	...	-17.099	-37.546	-4	...	...
...	24.173	-49.263	-5	...	...	...	20.838	-36.218	-3	...	...	...	...	17.057	+37.170	-5	M	...
...	24.141	-21.986	0.70	...	...	*	20.818	-13.660	0.95	44.9217	10.4	...	...	17.006	+50.252	-4	M	...
S*	24.069	-34.835	1.85	44.9213	8.8	...	20.780	+17.294	-5	M	...	...	...	16.756	+16.177	-4	M	...
...	23.922	-47.420	-5	...	...	...	20.743	+35.445	-4	M	...	...	...	16.651	-2.027	0.70	...	...
561	-23.918	+22.394	-4	...	...	621	-20.737	-1.558	0.65	...	...	681	-16.594	-56.573	-5	...	...
...	23.902	-31.139	-5	...	...	...	20.684	-36.092	-5	...	...	...	...	16.442	+56.740	-5	M	...
...	23.758	+1.753	-5	M	...	...	20.680	+16.260	-4	M	...	...	...	16.209	+32.967	-5	M	...
...	23.745	-52.406	-5	...	...	...	20.666	+23.255	-5	M	...	...	...	16.207	+58.441	-5	M	...
...	23.705	-27.795	-5	...	...	...	20.626	-7.745	-2	...	...	...	...	16.189	-38.329	-5	...	...
...	-23.683	+8.318	-5	M	...	...	-20.587	-43.869	-5	...	...	...	...	-16.160	-42.494	-5	...	...
...	23.668	+18.437	-5	M	...	...	20.503	-7.844	-5	...	...	*	...	16.057	-58.240	1.00	44.9222	10.2
*	23.589	-16.772	1.70	44.9214	9.3	*	20.437	+18.067	0.90	43.8670	10.4	...	...	16.019	+14.016	-5	M	...
...	23.583	+18.412	-5	M	...	...	20.318	-4.823	-1	...	...	...	...	16.014	+7.586	0.90	...	...
...	23.487	+45.935	-5	M	...	...	20.317	+38.722	-3	...	...	...	...	15.943	+40.053	-1	...	...
571	-23.480	+7.640	-2	...	...	631	-20.160	+54.588	-4	M	...	691	-15.799	+24.798	-1	...	...
...	23.439	-37.299	-5	...	...	...	20.080	+29.986	-5	M	...	...	...	15.734	+45.089	-5	M	...
...	23.258	-1.038	-5	...	...	...	20.047	-56.762	-5	...	...	*	...	15.486	+13.539	1.10	43.8672	9.9
...	23.231	+58.536	-3	...	...	...	19.862	-49.917	-2	...	...	...	...	15.435	-8.714	-2	...	...
...	23.204	+21.765	-5	M	...	...	19.785	+52.672	-5	M	...	...	...	15.432	-47.075	-5	M	...
...	-23.195	-51.605	-5	...	...	...	-19.660	-32.161	-5	...	...	...	...	-15.408	+22.947	0.85	...	...
...	23.124	+31.844	-5	M	...	*	19.659	-56.144	0.95	44.9218	10.4	...	...	15.131	+10.818	-5	M	...
...	23.095	-53.289	-5	...	...	...	19.560	-54.904	-5	...	...	...	...	15.053	+2.393	-5	M	...
...	23.059	+0.071	-5	M	...	...	19.416	-30.476	0.85	...	...	...	...	15.044	-31.885	-3	...	...
...	23.000	+41.057	-2	...	...	...	19.289	+46.459	-5	M	...	...	...	15.040	+24.473	0.85	...	...
581	-22.961	-41.680	-5	...	...	641	-19.198	+20.604	-3	...	...	701	-15.020	+30.359	-5	M	...	
†	22.917	-10.135	-4	...	...	...	19.155	+16.393	-4	M	...	...	...	14.962	+56.439	-3	...	...
...	22.869	+34.129	0.70	...	...	...	19.086	+44.751	-5	M	...	...	...	14.903	+50.241	-4	M	...
...	22.832	+26.104	-5	M	...	...	19.074	-0.722	-5	M	...	...	...	14.801	+41.466	-5	M	...
...	22.805	+16.305	-5	M	...	...	19.015	-50.164	-4	...	...	n †	...	14.787	-30.442	2.10	44.9223	8.1
...	-22.800	+35.702	-2	...	...	...	-19.009	-30.784	-5	...	...	...	...	-14.758	+40.487	-5	M	...
...	22.791	-28.770	-5	...	...	...	18.852	+50.235	-5	M	...	n †	...	14.731	-30.311	0.65	44.9223	8.1
...	22.624	-45.725	-4	...	...	...	18.805	+43.707	-4	M	...	...	...	14.607	+36.137	0.65	...	...
...	22.606	-56.667	0.80	...	...	...	18.801	+57.904	-4	...	...	...	...	14.492	+45.565	-2	...	...
...	22.602	+49.574	-4	M	...	...	18.760	+57.615	-2	...	...	*	...	14.427	+1.727	1.15	43.8673	10.2
591	-22.549	-53.254	-4	...	...	651	-18.627	+55.025	-1	...	...	711	-14.407	-3.222	0.70	44.9224	10.4	
...	22.487	+38.790	-5	M	...	*	18.257	-31.060	1.00	44.9219	10.0	...	...	14.282	-10.905	-4	...	...
...	22.438	-52.473	-5	...	...	...	18.209	+41.129	-5	M	...	...	...	14.198	+41.659	-4	M	...
...	22.259	-48.328	-5	...	...	...	18.197	+0.465	-5	M	...	n	...	14.183	-3.156	-1	44.9224	10.4
...	22.221	-54.765	-5	...	...	...	18.168	-0.859	-5	...	...	...	...	14.141	-40.321	-5	...	...
...	-22.209	-37.241	0.80	44.9215	10.2	...	-18.153	-49.975	-5	...	...	...	...	-13.909	+35.528	-5	M	...
...	22.135	-33.555	-4	...	...	...	18.103	-27.656	-5	...	...	...	...	13.873	-27.979	-4	...	...
...	21.909	-52.253	-2	...	...	...	18.096	-18.113	-3	...	...	...	...	13.812	-58.247	-4	...	...
...	21.865	-57.094	-2	...	...	...	18.026	-53.221	-5	...	...	*	...	13.803	-30.385	1.60	44.9225	9.6
...	21.812	-59.662	-5	...	...	*	17.986	+1.700	0.95	43.8671	10.2	...	...	13.803	-47.100	-5	...	...

705, 707. C.P.D., probably mass.

711, 714. C.P.D., probably mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
721-780						781-840						841-900					
721	-13°702	-46°481	0.70	...	...	781	-9°013	+13°862	-3	...	...	841	-5°054	-8°018	-3	...	...
...	13°556	+51°484	0.75	...	...	*	8°905	-5°839	1.70	44.9231	9.2	...	4°861	+51°988	-5	M m	...
...	13°459	-51°221	-4	...	...	*	8°874	-30°539	0.90	44.9230	10.4	...	4°856	-5°051	-1	...	...
...	13°435	-42°255	-5	...	...	*	8°810	-23°151	1.00	44.9232	9.8	*	4°648	-45°383	1.10	44.9236	9.6
...	13°306	+49°769	-5	M	...	...	8°770	-46°402	-5	...	...	...	4°425	+0°417	-5	M m	...
*	-13°288	-9°789	1.70	44.9226	9.2	...	-8°721	-39°415	-5	...	...	...	-4°266	+43°358	0.65	...	...
...	13°287	-51°700	-4	...	...	...	8°619	+35°617	-1	...	...	...	4°115	+20°280	-4	M	...
...	13°238	-13°368	-3	...	...	...	8°479	-1°652	-4	...	...	...	4°063	+55°536	-3	...	...
...	13°052	+45°149	-5	M	...	...	8°475	+28°443	-4	M	...	...	4°057	+39°489	-5	M	...
...	13°041	-51°390	-4	...	...	...	8°462	+40°341	-5	M	...	...	4°043	+13°790	-4	M	...
731	-13°026	-57°591	-5	...	...	791	-8°360	+53°635	-4	M	...	851	-4°039	+45°779	-1	...	...
*	12°955	+59°024	1.05	43.8674	10.4	...	8°321	-6°424	-5	...	...	*	3°840	+40°369	1.80	43.8682	9.0
...	12°882	-2°499	-5	...	...	...	8°199	+8°275	-5	M	...	...	3°728	+16°514	-4	M	...
...	12°758	+27°161	-3	...	...	...	8°124	+46°509	-4	M	...	...	3°611	+38°192	-5	M m	...
*	12°740	+56°193	1.20	43.8675	9.6	...	8°039	+50°264	-5	M	...	S*	3°584	+42°080	1.75	43.8683	9.0
...	-12°735	-41°967	-5	...	...	...	-8°030	-30°567	-5	...	...	...	-3°558	-36°185	-2	...	...
...	12°638	+35°547	-5	M	...	...	7°991	-24°675	-5	...	...	...	3°538	+48°703	-2	...	...
*	12°520	-53°937	1.05	44.9227	10.2	...	7°989	+24°911	-4	M	...	...	3°277	+32°406	-5	M	...
...	12°507	+37°634	-5	M	...	...	7°892	+38°716	-4	M	...	...	3°019	+20°154	-5	M	...
...	12°505	-34°535	-2	...	...	...	7°675	+12°845	-4	...	...	...	2°959	-8°674	-3	...	...
741	-12°444	-2°043	-5	...	...	801	-7°671	-54°387	-3	...	...	861	-2°663	+22°202	-4	M	...
...	12°346	+37°200	-5	M	...	...	7°637	+20°433	-2	...	...	...	-2°624	-50°884	-2	...	...
...	12°338	+22°911	-5	M	...	...	7°517	+13°884	-4	M	...	...	2°491	-31°896	0.70	...	...
*	12°290	+56°914	1.15	43.8676	9.6	...	7°450	+40°123	-4	M	...	...	2°359	-43°986	-5	...	...
*	12°227	+58°245	1.05	43.8677	10.2	...	7°321	+42°628	-4	...	...	...	2°350	-20°733	-4	...	...
...	-12°212	-53°459	-5	...	...	...	-7°275	+40°644	-1	...	...	...	-2°148	-50°811	-2	...	...
...	12°111	+50°797	0.65	...	...	...	7°233	-43°668	-4	M	...	...	2°132	+2°707	-5	M	...
...	12°053	-41°307	-3	...	...	...	7°219	+6°775	-5	M	...	...	2°100	-41°194	-5	...	...
...	12°040	-4°801	-5	...	...	*	7°199	-48°623	1.00	44.9233	10.2	...	2°099	+23°826	-2	...	...
...	12°009	-47°625	0.65	...	...	...	7°190	+47°253	-2	...	...	*	1°897	+38°154	0.90	43.8684	10.4
751	-11°776	+6°577	-5	M	...	811	-7°168	-24°862	-3	...	...	871	-1°715	+7°125	-2	M	...
...	11°675	+33°607	-5	M	...	...	7°141	+20°726	-4	M	...	...	1°629	-16°606	0.80	44.9237	10.4
...	11°661	-53°308	-3	...	...	...	6°711	-26°344	-1	...	...	...	1°592	+13°723	-2	...	...
*	11°658	+56°053	1.20	43.8678	9.6	...	6°679	+22°070	-4	M	...	*	1°588	-59°582	1.60	45.9380	9.3
...	11°640	-3°876	0.85	44.9228	10.4	...	6°663	+37°532	-4	...	...	...	1°527	-54°310	-5	...	...
...	-11°537	-6°967	-4	...	...	...	-6°651	-6°952	-3	...	...	†	-1°292	+4°728	0.65	...	...
...	11°509	-7°016	-5	...	...	†	6°634	-35°174	-1	...	...	...	1°282	+38°405	-4	M	...
...	11°529	-46°833	-5	...	...	...	6°601	-4°990	-5	...	...	...	1°219	-21°277	-5	...	...
...	11°508	-42°686	-4	...	...	*	6°572	-23°837	1.00	44.9234	10.0	...	1°186	+13°157	-2	...	...
...	11°384	-59°217	-5	...	...	†	6°503	-50°087	-2	...	...	...	1°166	-23°553	0.70	...	...
761	-10°993	+38°806	-5	M	...	821	-6°495	+44°451	-3	A	...	881	-1°040	-5°197	-4	...	...
*	10°753	-56°068	1.25	44.9229	9.4	*	6°394	+38°157	1.00	43.8680	9.8	...	0°893	-5°623	-3	...	...
...	10°704	+23°771	-4	M	...	...	6°372	+38°516	-4	M	...	...	0°604	+0°379	-2	α m	...
...	10°617	+17°987	0.70	...	...	n	6°231	-47°306	-3	...	...	...	0°593	-22°362	-5	...	...
...	10°579	-49°671	0.65	...	...	n	6°145	-47°345	-1	44.9235	10.4	...	0°447	-33°659	-2	...	...
...	-10°459	+43°746	-5	M	...	...	-5°986	-35°582	-3	...	...	...	-0°375	-29°046	-3	...	...
...	10°362	-29°942	-2	...	...	...	5°972	-33°019	-2	...	...	...	0°349	+55°577	-5	M m	...
...	10°347	+54°369	-5	M	...	...	5°934	+46°093	-3	...	...	...	0°274	-11°197	-5	...	...
...	10°228	-57°202	-5	...	...	...	5°892	-59°253	-4	...	...	...	0°238	+7°016	-2	M	...
*	10°189	+31°814	1.50	43.8679	9.3	...	5°845	-25°753	-5	...	...	...	0°129	-33°426	-3	...	...
771	-10°002	-39°902	-3	...	...	831	-5°722	+56°459	-4	M	...	891	-0°109	+33°575	-5	M m	...
...	9°671	+22°783	-5	M	...	...	5°662	+7°925	-5	M m	...	*	-0°057	+53°254	0.90	43.8685	10.4
†	9°631	+14°835	-5	M	...	...	5°653	+17°699	0.75	43.8681	10.4	...	+0°019	-38°524	-4	...	...
...	9°602	+53°382	-3	...	...	...	5°645	+3°250	-5	M m	...	...	0°046	+56°646	-5	M m	...
...	9°549	-58°931	-5	...	...	...	5°536	+53°246	-5	M	...	S †	0°208	-5°971	1.60	44.9239	9.2
...	-9°522	-58°828	-5	...	...	...	-5°421	+43°621	-4	...	...	*	+0°272	-47°815	0.80	44.9238	10.4
...	9°163	-26°027	-5	...	...	...	5°313	+15°730	-5	M m	...	...	0°321	+42°413	-5	M m	...
...	9°143	+44°731	-4	...	...	...	5°287	+57°997	-5	M	...	...	0°335	-22°002	-5	...	...
...	9°031	-41°621	0.65	...	...	...	5°237	+2°005	-4	M	...	...	0°391	-23°359	-5	...	...
†	9°026	+24°776	-4	M	...	...	5°125	-36°444	-5	...	...	...	0°419	-48°742	-4	...	...

824, 825. C.P.D., probably mass.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.	
901-960							961-1020							1021-1080							
901	+	0.484	-17.945	-2	...	...	961	+	5.601	+26.757	0.95	43.8692	10.4	1021	+	10.728	+38.581	0.65	...	...
...	...	0.510	-36.903	-4	...	...	...	...	6.115	-58.673	1.10	44.9243	9.6	...	...	10.741	+23.718	-4	...	...
...	*	0.629	-22.379	1.90	44.9240	8.6	...	...	6.201	-0.721	-5	...	...	...	...	10.837	+41.422	-5	...	...
...	...	0.652	+20.635	-2	...	...	...	...	6.256	+49.254	-5	...	...	...	...	10.854	+26.205	-3	...	...
...	...	0.755	-38.942	-2	...	...	...	...	6.287	+14.913	-5	...	...	...	*	10.913	-52.486	1.50	44.9247	9.3
...	+	0.757	+22.202	-4	...	...	...	+	6.381	+41.417	-5	m	...	...	+	10.916	-22.145	-4	...	...
...	*	0.820	+0.657	1.00	44.9241	10.4	...	...	6.493	-54.996	-5	...	...	...	...	10.985	-1.808	0.75	...	...
...	...	0.832	-31.676	-5	...	...	...	...	6.515	-48.982	-4	...	...	...	...	11.013	-52.128	-3	...	...
...	...	0.885	+34.533	-4	M	...	...	...	6.518	-38.492	-5	...	...	...	...	11.028	+21.892	-2	...	...
...	...	0.894	-38.900	-5	M	...	...	...	6.581	-9.861	-3	...	...	...	...	11.149	+55.520	-5	m	...
911	†	0.961	-35.112	-4	...	...	971	+	6.634	-56.094	-5	...	...	1031	+	11.252	+35.875	-3	...	...
...	...	1.078	-14.902	-4	...	...	...	*	6.840	-21.369	1.15	44.9244	10.2	...	...	11.322	+35.700	-2	...	...
...	...	1.085	+34.147	-1	...	...	...	...	6.904	+44.113	-3	...	...	...	...	11.591	-32.868	-4	...	...
...	...	1.098	+29.067	-3	...	...	...	...	7.049	-19.749	-4	...	...	...	...	11.747	-52.109	-5	...	...
...	...	1.227	-7.163	-4	...	...	...	...	7.270	+41.110	-2	...	...	...	...	11.820	+34.496	-1	...	...
...	+	1.295	+41.823	-5	M	...	...	+	7.277	+49.321	-5	...	...	...	+	11.845	-27.861	-4	...	...
...	*	1.591	+27.963	1.50	43.8686	9.4	...	...	7.301	+24.481	-2	...	...	...	...	11.870	-46.409	-5	...	...
...	...	1.617	+23.548	-4	M	...	...	...	7.483	+23.448	-5	m	...	...	*	11.948	-7.046	1.30	44.9248	9.4
...	...	1.901	+48.295	-5	M	...	...	...	7.532	+41.550	-5	...	...	...	...	12.047	+51.973	-3	...	...
...	...	2.058	-20.244	-5	...	...	...	...	7.575	+26.360	-5	m	...	...	...	12.080	-35.497	-3	...	...
921	+	2.139	+28.550	-4	...	...	981	+	7.727	+35.444	-3	...	...	1041	+	12.223	+10.324	-4	...	...
...	...	2.144	+50.106	-4	M	...	...	...	7.866	-12.720	-3	...	...	...	...	12.237	-44.477	-2	...	...
...	...	2.259	+18.165	-5	M m	...	...	...	7.921	+24.292	-5	...	...	...	...	12.301	-32.580	-5	...	...
...	...	2.472	-56.676	-5	...	...	...	...	7.937	-17.100	-5	...	...	...	...	12.335	+53.713	-5	...	...
...	...	2.607	-32.816	-5	...	...	...	...	7.963	-38.660	0.65	...	...	...	...	12.637	+16.899	-4	...	...
...	+	2.651	-57.402	-5	...	...	...	+	8.094	+43.264	-5	m	...	*	+	12.652	+5.143	0.90	43.8696	10.4
...	...	2.746	-45.200	-4	...	...	...	...	8.112	+44.414	-3	...	...	...	...	12.691	-11.828	-5	...	...
...	...	2.795	-45.438	-3	...	...	...	...	8.224	-28.890	-2	...	...	*	...	12.801	-21.015	0.90	44.9249	10.4
...	...	2.820	-51.006	-5	...	...	...	...	8.306	+35.486	-5	...	...	...	...	12.819	+37.241	-5	...	...
...	...	2.919	-33.857	-5	...	...	...	...	8.458	+59.388	-5	...	...	...	...	12.840	+42.263	-5	...	...
931	+	2.925	+33.117	-5	M m	...	991	+	8.624	+21.378	-3	...	...	1051	+	12.994	+33.882	-2	...	...
...	*	3.051	-58.132	0.85	44.9242	10.4	...	...	8.755	-46.146	-3	...	...	...	...	13.036	-30.711	-4	...	...
...	...	3.141	+10.065	-1	...	...	...	...	8.809	+54.567	-3	...	...	*	...	13.040	+42.779	1.10	43.8697	9.8
...	*	3.190	+26.039	1.70	43.8687	8.8	...	...	8.966	-49.672	-2	...	...	...	...	13.173	+49.852	-5	...	...
...	...	3.336	-58.797	-3	...	...	...	...	8.971	-24.145	-5	...	...	...	...	13.192	+12.072	-4	...	...
...	+	3.369	-56.812	0.80	+	8.986	-48.503	-4	+	13.195	-21.603	-5
...	...	3.430	+39.763	-5	M	9.061	-6.704	-5	13.208	+9.565	-4
...	...	3.595	-45.681	-1	9.088	+9.800	0.65	13.256	+11.651	0.65
...	...	3.625	-57.493	-1	9.121	+22.369	-5	13.337	+54.219	-5
...	...	3.705	-35.446	-1	9.143	-51.609	-3	13.489	+5.933	-2
941	+	3.761	+5.897	-5	M m	...	1001	+	9.344	+59.509	-5	...	...	1061	+	13.500	-48.094	-5	...	...
...	...	3.928	-13.111	-4	...	...	...	...	9.404	+37.289	-3	...	...	...	...	13.591	-36.306	-3	...	...
...	*	4.086	+30.560	0.90	43.8688	10.4	...	...	9.519	-51.758	-5	m	...	...	...	13.625	-58.946	-3	...	...
...	...	4.105	+5.829	-5	M	9.541	-47.313	-5	13.810	-23.935	-5
...	...	4.288	+43.276	-5	M m	9.577	+40.484	-2	14.027	+12.918	-5	m	...
...	+	4.299	+11.582	-5	M m	...	...	+	9.583	+12.320	-2	...	...	†	+	14.120	+54.592	-5	m	...
...	...	4.322	+36.806	0.75	43.8689	10.2	...	...	9.585	-44.510	-2	...	...	...	...	14.132	-10.296	-5	...	...
...	*	4.391	+36.685	0.90	...	...	...	...	9.659	+35.390	0.90	43.8694	10.4	...	...	14.165	+34.032	-5	...	...
...	...	4.593	-17.863	-4	...	...	...	...	9.672	+47.732	0.90	43.8695	10.4	...	...	14.197	-57.567	-3	...	...
...	...	4.642	-27.526	-1	...	...	...	...	9.964	+53.288	-4	...	...	N †	+	14.359	-30.158	-5	...	...
951	+	4.684	+12.692	-3	M	...	1011	+	10.006	-5.118	-5	...	...	1071	+	14.398	+35.648	-5	...	...
...	...	4.738	+26.152	-5	M m	...	...	...	10.048	+38.245	-5	...	...	...	...	14.441	+44.741	-4	...	...
...	...	4.948	-25.499	-2	...	...	...	...	10.203	-38.818	-4	...	...	...	...	14.499	-18.715	-4	...	...
...	...	5.070	+40.537	0.65	...	...	...	...	10.323	+36.999	-5	m	...	*	...	14.591	+25.760	1.00	43.8698	10.2
...	...	5.118	+59.062	-4	...	...	...	...	10.326	-57.632	-4	...	...	...	...	14.625	-32.725	-5	...	...
...	+	5.138	+5.935	-1	...	...	...	+	10.352	+57.175	-2	...	...	...	+	14.701	-23.556	-2	...	...
...	†	5.195	+20.643	0.95	43.8690	10.4	...	...	10.368	-58.576	0.90	44.9245	10.4	*	...	14.710	-33.917	0.90	44.9250	10.4
...	S †	5.293	+57.739	2.30	43.8691	7.6	S *	+	10.520	-29.232	1.25	44.9246	9.3	...	...	14.812	+59.222	-5	m	...
...	...	5.357	+45.431	-4	...	...	...	...	10.666	+44.195	-5	...	...	...	...	14.924	+55.347	-3	a	...
...	...	5.511	+32.945	-4	...	...	...	...	10.727	-26.894	-4	...	...	...	...	15.012	+28.551	-4	...	...

1070. Extremely difficult to measure.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1081-1140						1141-1200						1201-1260					
1081	+15°068	+42°135	-5	<i>m</i>	...	1141	+19°554	+19°021	-5	<i>m</i>	...	1201	+24°907	-44°210	-3	...	...
*	15°100	+39°408	0°90	43.8699	10·4	...	10°621	+19°014	-5	<i>m</i>	...	...	24°911	-4°908	-2	...	...
...	15°129	+55°350	-4	...	...	...	19°686	+44°235	-5	<i>m</i>	...	...	24°970	-2°386	-5	...	...
†	15°250	+44°575	-4	...	...	...	19°696	-6°126	-5	...	...	...	24°993	+37°460	-3	...	...
...	15°256	-9°015	-5	...	...	†	19°697	+49°644	0°70	...	...	...	25°078	+59°009	-5	<i>m</i>	...
...	+15°309	+36°983	-2	...	...	...	+19°747	-30°360	-3	...	...	...	+25°238	-50°975	1°00	44.9259	10·0
...	15°325	+23°596	-1	...	...	...	19°763	+9°336	-5	...	...	*	25°362	+35°782	1°20	43.8702	9·9
...	15°403	-2°428	-5	...	...	...	19°779	+39°420	-3	...	...	...	25°412	-34°450	0°75	...	...
...	15°503	-13°273	-3	...	...	...	19°779	-7°984	0·85	44.9256	10·4	...	25°434	-58°739	-4	...	...
...	15°504	+23°895	-5	...	...	...	19°785	+57°616	-5	...	...	...	25°465	+29°202	-5	...	...
1091	+15°600	+42°975	-3	...	...	1151	+20°135	+29°005	-4	...	...	1211	+25°821	-16°134	0°70	...	...
...	15°620	-4°135	-5	...	...	...	20°286	-19°467	-4	...	...	...	25°927	-29°625	-2	...	...
...	15°632	+52°599	-5	...	...	...	20°548	+15°382	-5	...	...	...	26°040	+53°128	-5	...	...
...	15°704	+4°596	-3	...	...	...	20°700	+4°106	-3	...	...	...	26°128	-9°358	-5	...	...
...	15°783	-1°832	-5	...	...	...	20°710	-48°404	-5	...	...	*	26°195	+43°590	4°00	43.8703	6·9
...	+15°862	+32°308	-5	<i>m</i>	...	...	+20°729	+56°718	-5	...	...	...	+26°386	-16°842	-5	...	...
†	15°929	+14°757	-4	...	...	...	20°815	-36°877	-5	...	...	...	26°662	+27°218	-5	...	...
...	16°185	+14°164	-5	...	...	...	20°874	+8°431	-3	...	...	...	26°801	-53°900	-2	...	...
...	16°209	+32°634	-5	...	...	...	20°996	+26°960	-4	...	...	...	26°814	+20°623	-5	...	...
...	16°361	-5°029	-4	...	...	...	21°241	+57°859	-4	...	...	...	26°925	+16°897	-5	...	...
1101	+16°420	-1°917	-1	...	...	1161	+21°302	-26°956	-1	...	...	1221	+26°973	+59°315	-4	...	...
...	16°597	-10°055	0°75	44.9251	10·4	...	21°382	+30°750	-4	...	...	...	27°062	+14°985	-5	<i>m</i>	...
...	16°649	+35°165	-5	...	...	...	21°621	+23°103	-4	...	...	...	27°087	+38°010	-5	<i>m</i>	...
...	16°793	-31°153	-2	...	...	...	21°690	+55°979	-5	...	...	†	27°133	+49°657	-5	...	...
...	16°801	-27°801	-4	...	...	...	21°744	+48°325	-3	...	...	...	27°135	+24°951	-5	<i>m</i>	...
...	+16°866	-38°198	-4	...	...	...	+22°053	+35°821	-3	...	...	...	+27°307	-18°884	-5	...	...
...	17°111	+36°115	-2	...	...	...	22°106	-37°210	-5	...	...	...	27°356	-40°940	-5	...	...
...	17°183	+34°888	-4	...	...	...	22°146	+47°054	-4	...	...	...	27°409	-11°440	-4	...	...
...	17°201	+3°750	0°65	...	...	...	22°174	-22°154	-3	...	...	...	27°456	+30°459	-5	...	...
...	17°431	+11°692	0°70	...	...	...	22°186	-35°935	-5	...	...	...	27°464	-47°114	-5	...	...
1111	+17°501	-45°491	-5	...	...	1171	+22°191	+41°815	-4	...	...	1231	+27°571	-9°956	-4	...	...
...	17°536	+55°977	-5	...	...	...	22°200	+51°102	-4	...	...	...	27°667	+37°244	-3	...	...
...	17°653	-57°091	-3	...	...	...	22°281	-7°647	-3	...	...	*	27°668	+45°045	1°20	43.8704	9·9
...	17°774	+12°566	-5	...	...	...	22°330	+14°492	-5	...	...	...	27°747	-16°618	-5	...	...
...	17°859	-34°842	-5	...	...	...	22°445	+58°292	-4	...	...	...	27°768	-39°783	-5	<i>m</i>	...
*	+17°873	-44°882	1°25	44.9252	9·4	...	+22°681	-12°761	-3	...	...	...	+28°007	-25°899	-1	...	...
...	17°900	+5°558	-2	...	...	...	22°792	-51°417	-3	...	...	*	28°086	+50°150	1°10	43.8705	10·2
...	18°088	-45°735	-5	...	...	...	22°829	-10°142	-3	...	...	...	28°126	-34°403	-4	...	...
...	18°124	+41°707	-3	...	...	...	22°984	-12°884	-5	...	...	...	28°218	+21°674	-2	...	...
*	18°160	-48°688	0·85	44.9253	10·4	...	22°990	+35°447	-3	...	...	...	28°246	-33°855	-3	...	...
1121	+18°319	-28°101	0·80	44.9254	10·4	1181	+22°992	-18°880	-4	...	...	1241	+28°411	+39°342	-4	...	...
...	18°379	+33°629	-5	...	...	...	23°018	+39°094	-3	...	...	...	28°729	-19°379	-4	...	...
...	18°471	-24°870	-4	...	...	*	23°051	-52°924	0°90	44.9257	10·4	...	28°731	-48°988	0·65	...	...
S*	18°492	+27°482	1°90	43.8700	8·8	*	23°104	+10°872	0·85	43.8701	10·4	...	28°738	-28°167	-5	...	...
...	18°612	+46°181	-5	...	...	*	23°357	+28°713	0°90	...	...	...	28°746	+23°502	-2	...	...
...	+18°666	+33°163	0°75	...	...	†	+23°488	-55°026	0°90	44.9258	10·4	...	+28°809	+34°973	-1	...	...
...	18°670	+54°905	-5	...	...	...	23°714	+29°543	-3	...	...	*	28°827	-18°444	1°25	44.9260	9·8
...	18°690	+38°203	-5	<i>m</i>	...	...	23°779	+42°277	-5	<i>m</i>	...	...	28°867	-1°360	-2	...	...
...	18°872	+49°225	-4	...	...	...	23°782	+5°025	0·80	...	...	...	28°910	+23°359	-2	...	...
...	18°916	-29°153	-3	...	...	...	24°000	+53°628	-4	...	...	...	29°125	-22°198	-3	...	...
1131	+18°921	-44°323	-5	...	...	1191	+24°331	+7°304	-4	...	...	1251	+29°133	+28°920	-5	...	...
...	19°010	+35°001	-5	<i>m</i>	...	...	24°363	-24°376	-5	...	...	...	29°205	-17°901	-2	...	...
...	19°098	+56°038	-3	...	...	...	24°657	-15°793	-5	...	...	...	29°209	-53°610	-4	...	...
...	19°101	-36°838	-2	...	...	...	24°705	-2°079	-5	...	...	...	29°345	-53°376	-5	...	...
†	19°229	-15°176	-4	...	...	...	24°736	-3°155	-1	...	...	...	29°358	+33°797	-3	...	...
...	+19°344	-22°714	-3	...	...	†	+24°757	-55°089	-3	...	...	...	+29°406	-19°176	-5	...	...
...	19°384	-38°282	0°75	44.9255	10·4	...	24°767	-20°678	-5	...	...	...	29°413	+27°611	-5	...	...
...	19°414	-15°840	0·65	...	...	...	24°839	-36°736	-5	...	...	...	29°428	-40°585	-5	...	...
...	19°445	+25°225	-4	...	...	...	24°844	-33°255	-4	...	...	*	29°512	-23°906	1°25	44.9261	9·8
...	19°534	-11°684	-5	...	...	...	24°875	-57°560	-5	<i>m</i>	...	...	29°533	-53°741	0°70	...	...

Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.		Notes.	Co-ordinates.		Diam. -2.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1261-1320						1321-1380						1381-1440					
1261	+29.739	-43.902	-4	...	...	1321	+34.508	+38.744	-5	m	...	1381	+38.537	+6.068	-2	...	...
...	29.768	+4.484	-4	...	...	...	34.646	-24.578	-5	...	...	...	38.559	+24.293	2.30	43.8709	8.2
...	29.771	+43.051	-5	...	...	...	34.646	+9.103	-2	...	...	...	38.592	+28.208	-5	m	...
†	29.789	-15.229	1.10	44.9262	10.0	...	34.696	-30.019	0.75	...	...	...	38.842	-15.567	-5	...	...
...	29.797	-14.491	0.65	...	...	*	34.872	+34.099	2.90	43.8707	8.2	...	38.970	+57.749	-5	...	...
...	+29.898	+42.855	-5	...	...	...	+34.979	-35.917	-4	...	...	*	+39.037	+11.496	0.90	43.8710	10.4
...	29.933	+3.570	-5	m	...	...	35.021	-16.587	-3	...	...	...	39.074	-34.991	-2	...	...
...	29.971	-58.656	-4	...	...	...	35.044	+10.786	-5	...	...	...	39.083	-36.880	-4	...	...
*	29.984	-17.729	1.20	44.9263	9.8	...	35.088	+46.253	-4	...	...	...	39.282	+49.455	-3	...	...
...	29.990	-57.264	0.70	...	...	†	35.114	-42.411	-4	...	...	...	39.289	-28.472	-4	...	...
1271	+29.996	-3.587	0.65	...	...	1331	+35.157	+34.758	0.95	43.8708	10.0	1391	+39.380	-36.372	0.80	44.9269	10.4
...	30.274	+48.541	-2	...	...	...	35.243	+29.175	0.65	...	...	...	39.514	-7.274	-2	...	...
...	30.336	-53.102	-5	...	...	...	35.260	+6.569	-3	...	...	...	39.525	-54.415	-4	...	...
...	30.455	+16.458	-5	...	...	...	35.263	+29.622	0.65	...	...	...	39.836	+52.906	-5	...	...
...	30.621	-47.204	-2	...	...	...	35.921	-25.230	-5	...	...	...	39.879	-42.718	-5	...	...
...	+30.661	+17.513	-5	...	...	...	+36.005	-50.722	-5	...	...	...	+39.979	-19.718	-4	...	...
...	30.743	-47.109	-2	...	...	...	36.014	-11.435	-5	...	...	†	40.075	-33.560	0.75	44.9270	10.4
...	30.989	-37.021	-5	...	...	...	36.027	-52.659	-4	...	...	...	40.260	+33.800	-4	...	...
...	31.016	+47.224	-4	...	...	...	36.041	-5.375	-4	...	...	...	40.386	+4.041	-5	...	...
*	31.119	-17.200	1.50	44.9264	9.6	...	36.178	-4.595	-5	...	...	*	40.448	+19.581	1.30	43.8711	9.6
1281	+31.375	+22.386	-1	...	...	1341	+36.232	-42.591	0.70	...	...	1401	+40.757	+16.666	-4	...	...
...	31.416	-37.672	-5	...	...	...	36.238	-34.495	-4	...	...	...	40.902	-36.614	-4	...	...
...	31.451	-58.946	-3	...	...	*	36.243	-44.769	0.85	...	...	...	40.940	+40.130	0.80	...	...
...	31.485	+12.191	-5	...	...	...	36.296	+23.068	-2	...	...	...	40.968	-57.231	-4	...	...
...	31.486	-2.007	-4	...	...	...	36.316	-13.202	-3	...	...	...	41.130	-13.306	-5	...	...
...	+31.560	+30.641	-2	...	...	*	+36.352	+1.797	-3	...	...	...	+41.219	-11.889	-4	...	...
...	31.567	-49.179	-3	...	...	...	36.356	-36.247	-5	...	...	...	41.239	-41.370	-5	...	...
...	31.676	+46.242	-4	...	...	...	36.417	+56.108	-5	...	...	...	41.359	+49.349	-4	...	...
...	31.837	+6.885	-3	...	...	...	36.509	-17.044	-5	...	...	...	41.424	+54.035	-5	...	...
...	31.883	+39.552	-5	...	...	...	36.543	+36.540	-5	...	...	...	41.485	-39.625	-4	...	...
1291	+31.951	-11.992	-4	...	...	1351	+36.567	-49.270	0.80	...	...	1411	+41.491	+41.604	-5	...	...
...	31.984	+36.126	-3	...	...	...	36.855	-52.327	-5	...	...	...	41.657	+12.630	-3	...	...
...	31.992	+1.116	-4	...	...	...	36.915	-34.061	-5	...	...	...	41.899	-19.094	-5	...	...
...	32.010	-45.961	-4	...	...	...	36.945	+49.560	-5	...	...	...	41.929	-9.100	0.70	...	...
...	32.294	+46.300	-5	...	...	*	36.961	-15.935	2.90	44.9267	8.0	...	41.940	+41.103	-5	...	...
...	+32.377	-48.758	-5	...	...	...	+36.962	-24.459	-3	...	...	...	+41.945	+34.884	-4	...	...
...	32.428	-44.730	-5	...	...	...	37.100	-25.454	0.75	...	...	...	41.967	+25.005	-1	...	...
...	32.448	+37.326	-5	m	...	...	37.245	-32.462	-3	...	...	...	42.009	-18.672	-4	...	...
...	32.717	-55.836	-4	...	...	...	37.264	+28.581	-4	...	...	*	42.049	+30.014	1.00	43.8712	10.4
...	32.787	+3.887	-5	...	...	...	37.339	-50.599	-4	...	...	...	42.163	+47.354	-4	...	...
1301	+32.910	-37.301	0.90	44.9265	10.4	1361	+37.357	+57.771	-4	...	...	1421	+42.209	-55.291	-4	...	...
*	33.065	-41.381	-5	...	...	...	37.453	+47.853	-4	...	...	...	42.343	+16.844	-5	...	...
...	33.109	-26.095	-5	...	...	...	37.464	+17.484	-5	...	...	...	42.555	-36.953	-4	...	...
...	33.200	+32.212	-5	m	...	...	37.497	+47.469	-3	...	...	*	42.614	-19.388	0.85	44.9271	10.4
...	33.435	-50.826	-5	m	...	...	37.538	+39.929	-5	m	...	*	42.725	+43.828	1.00	43.8713	10.4
...	+33.450	-18.793	0.75	...	...	...	+37.567	-53.210	0.80	...	...	...	+42.858	-11.183	-5	...	...
...	33.451	-14.142	-4	...	...	*	37.570	+2.454	0.90	...	...	...	42.932	+13.350	-3	...	...
...	33.496	+52.268	-4	...	...	*	37.611	-24.030	1.30	44.9268	9.3	...	43.043	+27.257	-5	m	...
...	33.545	+3.548	-5	m	...	...	37.620	+49.526	-4	...	...	...	43.086	-3.185	-3	...	...
*	33.590	-51.463	0.90	...	...	...	37.622	-52.284	-4	...	...	...	43.165	+56.741	-4	...	...
1311	+33.634	-25.882	-5	...	...	1371	+37.749	+4.332	-4	...	...	1431	+43.214	-15.770	-5	...	...
*	33.809	+2.197	1.00	43.8706	10.2	...	37.759	+54.451	-5	...	...	...	43.259	+40.446	-4	...	...
...	33.818	+17.844	-4	...	...	...	37.781	-28.949	-5	...	...	...	43.330	+32.576	-5	...	...
...	33.842	-46.182	-1	...	...	...	37.821	-35.654	-5	...	...	...	43.391	-46.493	-4	m	...
...	33.854	+48.306	-5	...	...	...	37.894	-51.444	-5	...	...	...	43.441	+56.620	-5	...	...
...	+34.005	+7.440	-2	...	...	...	+37.937	+6.941	0.75	...	...	...	+43.559	-9.081	-3	...	...
*	34.027	-42.613	1.00	44.9266	10.0	...	38.066	-7.387	-5	...	...	...	43.599	-7.541	-4	...	...
...	34.194	-50.475	-5	...	...	...	38.099	-36.757	-5	...	...	...	43.607	+40.015	-5	...	...
...	34.380	+57.385	-2	...	...	...	38.423	+46.034	-5	m	...	†	43.715	-39.688	-2	...	...
...	34.490	+39.033	-5	m	...	...	38.514	-2.818	-4	...	...	...	43.718	+30.707	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1441-1500						1501-1560						1561-1620					
1441	+43.790	-26.559	-1	...	...	1501	+48.001	-17.527	0.90	...	...	1561	+52.602	-1.474	2.30	44.9281	8.2
*	43.799	+54.985	1.20	43.8714	10.0	...	48.186	-18.319	-5	...	...	...	52.630	+0.628	-5	m	...
...	43.891	+30.442	-4	...	...	...	48.274	+30.995	-3	...	...	n*	52.635	-1.698	0.90	44.9281	8.2
...	43.901	-28.144	-5	...	...	...	48.409	-14.000	-5	...	...	...	52.678	+4.411	-4	...	...
...	43.939	+1.249	-5	...	...	...	48.458	-39.493	-5	m	...	...	52.864	+3.145	-5	m	...
...	+43.943	-31.382	-5	m	...	...	+48.651	+26.046	-5	...	...	...	+52.932	-16.511	-5	...	...
...	43.967	-32.148	-5	...	...	...	48.761	+7.023	-5	...	...	...	52.947	+51.701	-5	m	...
...	44.004	+23.350	-2	...	...	...	48.808	+1.612	-2	...	...	*	53.018	-35.604	2.00	44.9282	8.6
...	44.058	-46.480	-5	...	...	*	48.928	+20.489	1.10	43.8721	9.6	...	53.021	-46.197	-5	...	...
*	44.118	-38.195	1.00	44.9272	10.4	...	48.993	+16.918	-5	...	...	...	53.163	-16.043	-4	...	...
1451	+44.164	-32.026	-5	...	...	1511	+49.007	+22.330	-5	m	...	1571	+53.244	-48.982	-5	m	...
*	44.388	+35.400	1.20	43.8715	9.6	...	49.070	+13.482	-5	...	...	...	53.316	+8.423	-5	m	...
...	44.499	-40.257	-5	...	...	*	49.168	-53.710	0.95	44.9278	10.4	...	53.367	+37.647	-5	m	...
...	44.516	+9.482	-5	m	...	...	49.213	-52.803	-5	m	...	...	53.395	+36.814	-5	...	...
...	44.619	-37.842	-1	...	...	...	49.259	+9.467	0.70	...	...	...	53.449	-7.022	-3	...	...
...	+44.623	-53.078	-4	...	...	...	+49.259	-56.606	-5	...	...	...	+53.496	-48.528	-4	...	...
...	44.810	-12.780	-4	...	...	...	49.367	+37.285	-3	...	...	*	53.558	+37.363	0.95	43.8723	10.4
*	44.829	+3.423	2.30	43.8716	8.4	...	49.487	-18.848	-2	...	...	*	53.701	-40.638	0.95	44.9283	10.4
...	44.899	+38.097	-4	...	...	...	49.492	+19.124	-5	m	...	...	53.751	-40.016	-4	...	...
...	45.032	+11.366	-3	...	...	...	49.522	-30.006	-5	...	...	...	54.071	-2.611	-4	...	...
1461	+45.033	+46.026	-2	...	...	1521	+49.534	-38.070	-5	...	...	1581	+54.102	+2.399	-4	...	...
...	45.196	-21.673	-5	...	...	...	49.700	+48.100	0.65	...	...	...	54.150	-4.301	-4	...	...
...	45.436	-42.710	-3	...	...	...	50.019	+8.665	-4	...	...	...	54.241	+50.804	-5	...	...
...	45.581	+48.406	-3	...	...	...	50.111	-52.942	-5	...	...	...	54.288	-8.112	-3	...	...
*	45.617	+11.053	0.80	43.8717	10.4	...	50.206	-10.935	-5	...	...	*	54.368	+30.902	1.00	43.8724	10.2
...	+45.659	-15.048	-5	...	...	...	+50.339	+9.753	-4	...	...	...	+54.397	-56.633	-4	...	...
...	45.714	+15.751	-5	m	...	...	50.474	-30.629	-5	m	...	*	54.409	-8.269	1.00	44.9284	9.6
...	45.714	-6.372	-2	...	...	...	50.513	-37.026	-5	...	...	...	54.566	-2.589	-4	...	...
*	45.762	-36.280	1.05	44.9273	10.2	...	50.549	-19.617	-4	...	...	...	54.604	+31.180	-5	...	...
...	45.827	-16.219	-4	...	...	*	50.637	+6.520	0.80	...	...	...	54.651	+56.984	-5	...	...
1471	+45.884	-8.428	-2	...	...	1531	+50.730	+21.354	0.70	...	...	1591	+54.654	-9.673	0.75	...	...
...	45.908	+51.230	-5	...	...	...	50.744	-14.160	-3	...	...	*	54.741	-31.444	0.90	...	...
...	45.941	-36.754	-5	m	...	...	50.806	+20.642	-2	...	...	...	54.859	-41.366	-5	m	...
...	46.021	+3.910	-1	...	...	...	50.851	+37.986	-4	...	...	...	54.918	+49.284	-3	...	...
...	46.127	+0.814	-4	...	...	...	50.905	-36.856	-5	e	...	...	55.058	+1.943	-4	...	...
...	+46.179	-30.906	-3	...	...	...	+51.011	+33.361	-5	...	...	...	+55.150	+24.045	-5	...	...
...	46.212	+48.433	-5	...	...	...	51.074	-23.310	-4	...	...	...	55.312	-49.312	-5	...	...
...	46.315	-53.642	-1	...	...	...	51.083	+37.576	-4	...	...	...	55.602	+9.734	-5	e	...
*	46.350	-12.401	1.00	44.9274	10.2	...	51.098	-15.401	-5	...	...	S*	55.649	+17.569	1.90	43.8726	8.6
*	46.455	-54.231	0.95	44.9276	10.4	...	51.170	+34.745	-5	m	...	...	55.728	-24.687	-5	...	...
1481	+46.535	-52.741	-4	...	...	1541	+51.237	+1.863	-4	...	...	1601	+55.752	-34.094	-2	...	...
...	46.558	-38.584	-3	...	...	...	51.328	+7.816	-3	...	...	...	55.781	+50.377	-4	...	...
*	46.584	-14.370	0.95	44.9275	10.4	...	51.484	+35.710	-2	...	...	...	55.887	-2.646	-2	...	...
...	46.617	+51.198	-4	...	...	...	51.558	-26.315	-4	...	...	*	56.014	+58.021	1.70	43.8725	9.6
...	46.625	+53.312	-5	...	...	*	51.564	-2.145	1.20	44.9279	9.6	S*	56.200	-20.552	2.00	44.9285	8.6
...	+46.684	+33.474	-4	...	...	...	+51.605	-11.171	-5	...	...	...	+56.291	-15.074	-3	...	...
...	46.760	-1.314	-5	...	...	...	51.662	+26.805	-5	m	...	...	56.348	-46.820	-4	...	...
...	46.870	-39.790	-5	...	...	...	51.710	-51.439	-5	m	...	...	56.363	+48.620	-1	...	...
...	46.946	+14.729	-2	...	...	*	51.770	+40.658	0.90	43.8722	10.4	...	56.465	+26.964	0.65	...	...
...	47.025	+4.187	-5	...	...	...	51.788	-4.384	-5	...	...	...	56.557	-32.863	-4	...	...
1491	+47.051	-23.663	-5	...	...	1551	+51.831	+50.263	-5	...	...	1611	+56.690	+30.062	-4	e	...
...	47.127	-48.218	-5	...	...	...	52.007	-11.732	-5	...	...	...	56.734	-22.778	-5	...	...
...	47.178	-44.407	-4	...	...	...	52.032	-35.291	-5	...	...	...	56.816	-12.815	-5	...	...
...	47.201	-3.441	-5	...	...	...	52.144	-57.606	-1	...	...	...	56.818	-21.901	-3	...	...
...	47.361	-45.208	-4	...	...	...	52.281	-57.853	-3	...	...	...	56.819	-43.127	-5	...	...
*	+47.433	+34.911	0.90	43.8718	10.4	...	+52.377	-32.255	-4	...	...	...	+56.834	+14.397	-3	...	...
...	47.487	-0.645	-2	...	...	*	52.380	-24.472	1.20	44.9280	9.8	...	56.886	-42.033	0.70	...	...
...	47.542	+29.591	0.90	43.8719	10.4	...	52.452	+45.299	-5	...	...	...	57.027	+30.319	-3	...	...
...	47.579	+2.366	-4	...	...	...	52.516	-40.738	-5	...	...	...	57.091	+4.061	-5	e	...
*	47.849	+57.945	1.15	43.8720	10.4	...	52.576	+15.947	-5	e	...	...	57.268	+44.747	-3	...	...

1561, 1563. C.P.D., mass.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	...	No.	Mag.
1621-1640						1641-1651											
1621	+57.308	-16.852	-5	...	...	1641	+59.154	-13.637	-5	m	...					
...	57.437	+31.518	-5	e	...	...	59.223	-3.362	-4	...	...				
...	57.533	-44.603	-2	...	...	...	59.239	-4.806	-5	...	...				
...	57.547	-49.722	-3	...	...	...	59.293	+26.092	-5	e	...					
...	57.565	-27.974	-2	...	...	...	59.426	-17.067	-2	...	...				
...	+57.568	-59.282	0.80	...	...	...	+59.754	-22.765	-5	...	...				
...	57.595	+35.965	-5	...	...	...	59.805	-51.495	-5	...	...				
...	57.611	+2.982	-5	m	...	...	59.834	-57.808	-3	...	...				
...	57.884	-14.578	-5	...	...	...	59.909	+21.084	-2	...	...				
...	58.038	-54.636	-3	...	...	...	59.941	+41.216	-4	...	...				
1631	+58.139	+20.852	2.30	43.8727	8.2	1651	+60.017	-51.734	-5	...	...				
*	58.163	+22.892	-3	...	...	†									
...	58.166	+8.346	-3	...	...										
...	58.230	-4.757	-5	...	...										
...	58.303	+39.132	-5	...	...										
...	+58.381	+3.378	-2	...	...										
...	58.386	+43.676	-3	...	...										
...	58.716	-21.879	-2	...	...										
...	59.036	-40.534	-4	...	...										
...	59.147	+4.793	-5	...	...										

1-30						31-60						61-90						
I						31						61						
†	-59.603	+20.318	1.05	43.8721	9.6	*	-56.280	-2.220	1.10	44.9279	9.6	...	-53.639	-4.309	-4	...	...
...	59.441	+16.751	-5	...	...	...	56.226	-53.036	-5	...	...	...	53.503	+24.064	-4	...	...
...	59.412	-44.598	-5	...	...	...	56.147	-23.384	-4	...	...	...	53.403	-8.100	-3	...	...
*	59.393	-17.712	0.90	44.9277	10.4	...	55.998	-4.441	-5	...	...	...	*	53.264	-8.254	1.00	44.9284	9.6
...	59.380	+6.852	-5	...	...	...	55.977	-11.245	-5	...	...	...	...	53.031	+48.671	-2	...	...
...	-59.255	+13.316	-5	...	...	...	55.907	-36.932	-5	E	...	...	...	-53.001	-40.630	0.80	44.9283	10.4
...	59.191	-45.380	-5	...	...	...	55.837	+15.895	-5	E	...	...	...	52.982	-9.656	-1	...	...
...	59.171	+1.451	-2	...	...	...	55.644	+36.778	-5	...	...	...	...	52.957	-48.532	-5	...	...
...	59.089	-14.164	-5	...	...	...	55.564	-26.372	-5	...	...	...	...	52.938	+1.968	-4	...	...
...	58.960	+9.318	0.65	...	...	...	55.562	-11.785	-5	...	...	...	S*	52.792	+17.612	1.85	43.8726	8.6
II						41						71						
...	-58.161	+8.533	-3	...	...	...	-55.496	+37.328	0.85	43.8723	10.4	...	...	-52.621	+9.787	-5	E	...
...	57.971	+37.472	-5	...	...	...	55.384	+4.373	-4	...	...	...	...	52.275	+27.022	-1	...	...
...	57.912	+33.256	-5	...	...	*	55.266	-1.518	2.20	44.9281	8.2	...	...	52.230	-31.413	0.85	...	...
...	57.886	+9.631	-3	...	...	*	55.237	-1.744	0.95	...	...	...	...	52.139	+30.224	-4	E	...
...	57.871	-18.986	-3	...	...	...	54.823	-35.326	-5	...	...	...	...	52.017	+44.835	-3	...	...
...	-57.831	+21.238	-2	...	...	*	-54.804	-24.508	1.15	44.9280	9.8	...	...	-51.961	-2.592	-1	...	...
...	57.726	+20.533	-3	...	...	...	54.569	-32.293	-4	...	...	...	...	51.820	+30.397	-4	...	...
...	57.520	+35.620	-3	...	...	...	54.503	+49.283	-5	...	...	...	...	51.808	-56.599	-5	...	...
...	57.516	-30.125	-5	...	...	*	54.490	+30.884	1.00	43.8724	10.2	...	...	51.518	+14.480	-3	...	...
...	57.477	+6.425	0.65	...	...	...	54.483	-16.551	-5	...	...	...	...	51.436	+31.620	-5	E	...
21						51						81						
...	-57.402	-11.048	-5	...	...	...	-54.272	-16.070	-5	...	...	...	...	-51.406	+36.050	-5	...	...
*	57.368	+40.584	0.95	43.8722	10.4	...	54.269	-7.047	-3	...	...	...	...	51.172	-14.983	-3	...	...
...	57.242	-38.191	-5	...	...	...	54.268	+31.174	-5	...	...	...	...	51.134	-34.021	-2	...	...
...	57.125	-52.828	1.00	44.9278	10.4	...	54.037	-57.644	-2	...	...	...	...	51.129	-49.258	-5	...	...
...	56.961	-56.732	-5	...	...	...	53.908	+2.395	-4	...	...	...	...	51.088	-20.482	1.90	44.9285	8.6
...	-56.831	+7.737	-5	...	...	...	-53.897	-57.892	-3	...	...	...	...	-50.957	+4.150	-5	E	...
...	56.786	-19.713	-5	...	...	*	53.819	-35.623	2.00	44.9282	8.6	...	...	50.868	+43.789	-4	...	...
...	56.752	+1.787	-4	...	...	...	53.770	-2.622	-5	...	...	...	...	50.804	+39.240	-4	...	...
...	56.741	-14.257	-3	...	...	*	53.668	+58.056	1.30	43.8725	9.6	...	...	50.701	-12.709	-5	...	...
...	56.287	-37.112	-5	...	...	...	53.654	+50.424	-4	...	...	...	...	50.502	-22.684	-5	...	...

ES measured from 1, 101, 207, 318, 429, 532, 635, 727, 861, 984, 1113, 1218.
MC " " 47, 152, 259, 373, 474, 575, 674, 794, 933, 1050, 1160, 1279

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.		x.	y.	-z.	No.	Mag.
91-150																	
91	-50.454	+23.008	-4	...	...	151	-44.730	+53.108	1.05	43.8733	10.0	211	-38.897	-36.207	-5	...
...	50.442	-21.804	-4	...	...	†	44.721	-56.855	-3	...	...	...	38.884	+25.517	-4	...
...	50.414	+38.438	-5	...	...	†	44.689	+54.354	0.75	43.8735	10.4	...	38.766	-55.843	-5	...
*	50.410	+20.973	2.10	43.8727	8.2	†	44.667	-32.986	0.80	44.9287	10.4	...	38.417	-42.440	-4	...	
...	50.363	-32.767	-5	...	...	...	44.483	-29.106	-1	...	...	...	38.412	-56.814	-3	...
...	-50.155	-46.731	-4	...	...	*	-44.395	+40.347	1.10	43.8734	9.9	...	-38.321	+24.194	-4	...
...	50.103	-16.734	-5	...	...	...	44.305	+23.704	-5	M	...	...	38.274	+15.315	-1	...
...	50.011	+8.477	-3	...	...	...	44.266	-32.702	-2	...	...	...	38.271	+51.616	-4	...
...	49.792	-43.008	-5	...	...	...	44.265	+51.241	-5	...	...	...	38.174	+7.911	-4	...
...	49.784	-41.916	0.75	...	...	...	44.243	+55.841	-2	...	...	...	37.858	-12.384	-4	...
101	...	...	...	...	...	161	...	...	...	...	...	221	...	...	...	...
†	-49.641	+3.505	-3	...	...	...	-44.232	+59.244	-5	...	...	...	-37.783	+18.254	-4	...
...	49.603	-14.453	-5	...	...	*	44.198	+31.566	0.85	...	...	...	37.749	-7.102	-3	...
...	49.542	-4.632	-5	...	...	...	44.163	-30.561	-4	...	...	...	37.657	+38.461	-4	...
...	49.520	-27.855	-3	...	...	...	44.084	-2.082	-3	...	...	...	37.654	-23.592	-5	...
...	49.420	+26.230	-5	E	...	*	44.074	+14.453	1.00	43.8732	9.9	...	37.608	-23.925	-3	...	
...	-49.243	+41.364	-5	...	...	...	-43.999	+27.329	-4	...	...	...	-37.531	+10.721	-3	...
...	49.184	+46.717	-4	...	...	...	43.897	+46.760	-5	...	...	...	37.481	-9.240	-5	...
...	49.036	-44.475	-3	...	...	...	43.699	+37.229	-4	...	...	...	37.289	-36.809	-5	...
...	48.926	+49.436	-5	...	...	*	43.698	+30.866	1.30	43.8736	9.6	...	37.239	+48.578	-5	...
...	48.864	-49.593	-3	...	...	...	43.614	+49.826	-4	...	...	...	37.160	-11.550	-3	...
111	...	...	...	...	...	171	...	...	...	...	...	231	...	...	...	...
...	-48.661	+21.242	-4	...	...	...	-43.549	+27.830	-4	...	...	...	-37.020	-12.436	-3	...
...	48.605	-3.221	-5	...	...	...	43.485	-29.887	-3	...	...	...	36.966	-39.897	-4	...
...	48.554	-59.150	0.75	...	...	...	43.399	+53.758	-4	...	...	...	36.917	+32.826	-5	...
...	48.548	-21.730	-1	...	...	...	43.306	-17.238	-5	...	...	...	36.812	-14.838	-4	...
...	48.316	+42.767	-3	...	...	...	43.258	+27.250	-4	...	...	...	36.305	+55.000	-5	...
...	-48.234	-54.483	-4	...	...	*	-43.141	-34.182	0.90	44.9288	10.4	...	-36.292	-58.998	-3	...
...	48.076	+36.780	-5	...	...	...	43.090	+40.711	-5	M	...	...	36.156	+20.693	-4	...
...	47.986	-16.899	-3	...	...	...	43.055	+38.529	-4	...	...	...	36.141	+34.710	-5	...
...	47.948	+45.874	-5	...	...	...	42.526	-38.880	-5	...	...	...	35.983	-8.609	-4	...
...	47.808	+31.294	-4	...	...	...	42.484	-24.369	-5	...	...	...	35.883	-17.951	-4	...
121	...	...	...	...	...	181	...	...	...	...	...	241	...	...	...	...
...	-47.672	-40.368	-3	...	...	...	-42.453	+59.594	-2	...	...	...	-35.839	+42.925	0.65	...
†	47.599	+54.770	-5	...	...	...	42.285	-22.903	-3	...	...	...	35.807	-47.152	0.65	...
...	47.568	-4.492	0.70	...	...	...	42.165	-45.443	0.90	44.9289	10.4	...	35.793	-35.850	0.70	...
...	47.489	-22.581	-5	...	...	*	42.143	+42.956	1.10	43.8737	9.8	...	35.781	+11.157	-2	...
*	47.326	+42.658	1.05	43.8730	10.2	...	41.809	+31.255	-3	...	...	...	35.547	-9.081	-2	...
...	-47.269	+40.433	-5	...	...	...	-41.803	-20.258	-5	...	...	...	-35.533	+4.577	-5	...
...	47.234	+20.796	-5	...	...	...	41.710	-40.116	-5	...	...	...	35.445	-42.025	-5	...
...	47.207	+46.853	-3	...	...	...	41.580	+19.112	-5	...	...	...	35.408	-0.812	-5	...
...	47.202	+7.380	-5	...	...	...	41.498	+40.790	-4	...	...	...	35.305	+50.149	-3	...
*	47.062	+22.042	1.20	43.8729	9.6	*	41.487	+11.899	0.90	43.8738	10.4	...	35.254	+18.069	-3	...	
131	...	...	...	...	...	191	...	...	...	...	...	251	...	...	...	...
...	-46.999	+1.283	0.65	...	...	...	-41.314	+52.952	-4	...	...	...	-35.245	+59.198	-5	...
...	46.989	+53.634	-5	...	...	...	41.254	-43.759	-5	...	...	...	35.206	-46.488	-4	...
...	46.778	-34.794	-5	...	...	...	41.107	-8.800	-1	...	...	...	35.202	-40.604	-3	...
...	46.712	-26.936	-5	...	...	...	41.060	+1.359	-5	M	...	...	35.187	-45.980	-4	...
...	46.604	-18.209	-4	...	...	*	41.000	+2.914	0.90	43.8739	10.4	...	34.994	-37.208	-5	...
...	-46.560	-51.294	-5	...	...	...	-40.908	+13.535	-5	...	...	...	-34.918	-6.344	-5	...
...	46.481	-35.498	-5	...	...	...	40.882	-52.239	-5	A	...	...	34.880	-17.062	-4	...
...	46.427	-7.706	-5	...	...	...	40.745	+1.863	0.85	...	...	...	34.735	+26.599	-4	...
...	46.349	-57.605	-4	...	...	...	40.658	+35.260	-3	...	...	...	34.646	-12.611	-5	...
...	46.348	-51.532	-5	...	...	...	40.578	+23.597	-3	...	...	...	34.598	+4.563	-3	...
141	...	...	...	...	...	201	...	...	...	...	...	261	...	...	...	...
...	-46.220	-6.416	0.70	...	...	*	-40.540	-11.437	0.95	44.9290	10.4	...	-34.508	+42.591	-3	...
†	46.043	-10.104	-4	...	...	...	40.351	+56.835	0.90	43.8740	10.4	...	34.388	+35.627	-4	...
...	45.900	+1.943	0.75	43.8731	10.4	...	40.159	+46.985	-1	...	...	...	34.041	-35.967	-5	...
...	45.873	-42.104	-3	...	...	...	40.043	-36.524	-5	...	...	...	34.027	+48.398	0.95	43.8742
...	45.864	-24.023	-4	...	...	...	39.867	-44.027	-4	...	...	...	33.953	-37.227	-3	...
...	-45.809	+20.394	-5	...	...	...	-39.861	+48.666	-5	...	...	...	-33.867	+50.447	0.65	...
...	45.734	-40.964	-3	...	...	...	39.583	-5.971	-5	...	...	...	33.626	+46.137	-1	...
...	45.679	-42.035	-5	...	...	*	39.327	+44.399	0.95	43.8741	10.4	...	33.519	+36.785	-4	...
...	45.302	-14.215	0.85	44.9286	10.2	...	39.297	-50.388	-5	...	...	...	33.268	-48.974	-5	...
...	44.832	+37.078	-2	...	...	...	39.289	-39.854	-5	...	...	...	33.238	+38.313	-1	...

259. Extremely faint ; very difficult to measure.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-330						331-390						391-450					
271	-33.135	-58.991	-2	...	...	331	-28.362	+9.943	-5	...	...	391	-22.966	-1.167	1.60	44.9296	9.6
...	33.053	+38.272	-4	...	...	...	28.353	-39.576	-5	M	...	...	22.776	-3.221	-4	...	...
*	33.044	-27.774	1.00	44.9291	10.2	...	28.290	+40.977	-5	M	...	...	22.731	-43.752	-4	...	...
...	33.006	-57.131	-4	...	...	...	28.205	-46.473	-4	...	...	...	22.684	-3.363	-4	...	...
*	32.984	+53.588	0.95	43.8744	10.4	...	28.098	+47.892	-5	...	...	...	22.649	+5.609	-1	...	...
...	-32.958	-45.966	-4	...	...	...	-28.080	+22.214	-3	...	...	...	-22.644	+11.500	-4	...	...
...	32.951	-50.748	-4	...	...	...	27.944	-34.624	-3	...	...	...	22.584	+27.810	-1	...	...
...	32.912	+15.292	-5	...	...	...	27.851	+0.725	-5	M	...	...	22.525	-19.698	-3	...	...
...	32.887	-4.674	-5	...	...	...	27.699	-53.684	-5	...	...	...	22.455	+6.204	-5	...	...
*	32.706	+12.812	1.00	43.8743	10.2	...	27.696	-33.561	-4	...	...	...	22.390	+43.748	-1	...	...
281	-32.607	-28.771	-1	...	...	341	-27.657	-34.677	-5	...	...	401	-22.273	-12.890	-4	...	...
...	32.583	+14.372	-5	...	...	...	27.463	+49.038	-5	...	...	...	22.216	+16.403	-5	...	...
...	32.580	+55.542	-2	...	...	...	27.268	-42.404	-5	...	...	...	22.165	+50.451	-4	...	...
...	32.579	+0.911	-5	M	...	...	27.212	-1.402	-1	...	...	*	22.137	-0.953	0.95	44.9297	10.2
...	32.569	-1.950	-3	...	...	...	27.186	+32.764	-5	...	...	...	22.041	+27.164	-5	M	...
N	-32.433	+32.064	-3	D	...	...	-27.184	-54.918	-4	...	...	*	-22.007	+0.678	1.00	44.9298	10.2
...	32.411	-41.190	-4	...	...	...	26.857	-31.779	-5	...	...	...	22.003	-13.011	-2	...	...
...	32.370	-37.588	-1	...	...	...	26.761	-16.829	-3	...	...	...	21.820	-4.069	-4	...	...
*	32.291	-57.353	1.00	44.9292	10.2	...	26.755	+36.321	-2	...	...	...	21.601	+21.649	-5	M	...
...	32.282	-23.643	-1	...	...	...	26.716	+10.731	-5	M	...	...	21.600	-49.643	-5	M	...
291	-32.271	+18.305	-5	...	...	351	-26.709	+41.719	-4	...	...	411	-21.542	+37.774	-5	...	...
...	32.225	+2.844	-3	...	...	...	26.608	+5.990	-5	...	...	...	21.532	-32.015	-5	...	...
*	32.142	-18.887	0.90	...	...	...	26.532	+34.399	-5	...	...	...	21.121	-31.736	-4	...	...
...	32.043	-49.119	-5	...	...	...	26.514	+5.461	0.85	43.8747	10.4	...	20.981	+42.904	-4	...	...
...	32.025	-49.262	-5	...	...	...	26.441	+15.313	-5	M	...	...	20.953	-40.986	-4	...	...
...	-31.828	+44.301	-5	...	...	...	-26.324	-2.752	-3	...	...	...	-20.892	+37.633	0.75	...	...
†	31.754	+24.814	-3	...	...	...	26.302	+47.644	-4	...	...	...	20.799	+11.707	0.80	...	...
*	31.698	+17.048	0.90	43.8745	10.4	...	26.213	+57.833	-5	...	...	...	20.782	-52.575	-5	...	...
...	31.632	-46.359	-4	...	...	...	26.077	+50.826	-5	...	...	...	20.781	+29.529	-4	...	...
...	31.539	-22.009	-5	...	...	...	25.940	+15.558	-4	...	...	...	20.607	+29.970	-5	M	...
301	-31.423	+27.150	-3	...	...	361	-25.925	-20.745	-5	...	...	421	-20.462	+11.179	0.80	...	...
...	31.384	-9.059	-4	...	...	...	25.762	-34.201	-3	...	...	...	20.404	-3.727	-5	...	...
...	30.731	-41.308	-4	...	...	†	25.692	+29.767	-5	...	...	*	20.219	+10.045	1.00	43.8750	10.0
...	30.638	+14.732	-5	M	...	...	25.506	+33.103	-5	...	...	...	20.206	-45.727	-5	...	...
...	30.585	+37.942	0.65	...	...	*	25.454	-30.744	1.40	44.9294	9.6	...	19.930	-54.745	-4	...	...
...	-30.564	+13.666	-5	...	...	...	-25.371	+26.413	-5	...	...	...	-19.893	+31.819	-5	...	...
...	30.414	-41.484	-4	...	...	...	25.248	+19.728	-4	...	...	...	19.881	+27.300	-4	...	...
...	30.360	+48.070	-4	...	...	...	25.241	-49.788	-4	...	...	...	19.815	+27.218	-5	...	...
...	30.129	-7.228	-5	...	...	...	25.189	+5.658	0.80	43.8748	10.4	...	19.634	-27.819	-5	...	...
...	30.128	+27.569	0.65	...	...	...	25.087	-46.811	-4	...	...	...	19.589	-16.028	-5	...	...
311	-30.110	-7.658	-4	...	...	371	-25.053	-6.821	-4	...	...	431	-19.539	-51.294	1.80	44.9299	8.6
...	30.006	+7.332	-4	...	...	...	24.914	+50.283	1.10	43.8749	9.9	S*	19.451	+21.524	-4	...	...
...	30.000	-17.698	-5	...	...	...	24.499	-7.901	-5	...	...	*	19.436	-31.878	1.60	44.9300	9.4
...	29.895	+44.836	-4	M	...	...	24.487	-58.863	-5	...	...	...	19.416	-12.277	-4	...	...
...	29.884	+18.917	-4	...	...	...	24.215	+24.722	-4	...	...	...	19.259	+58.397	-4	...	...
...	-29.835	-18.780	-5	...	...	...	-24.147	-3.576	-4	...	...	...	-19.086	+15.438	-5	...	...
†	29.755	+36.456	-4	...	...	...	23.923	-16.330	-4	...	...	...	19.072	+11.441	-5	...	...
†	29.695	-44.519	1.70	44.9293	9.0	...	23.920	-50.953	0.65	...	...	...	19.020	-37.643	-1	...	...
*	29.546	+14.393	1.60	43.8746	9.1	...	23.899	+50.256	-3	...	...	...	18.854	+36.482	-5	...	...
...	29.331	+12.814	-4	M	...	...	23.842	-15.212	-3	...	...	...	18.761	+21.364	-5	M	...
321	-29.288	+57.429	-5	...	...	381	-23.758	-53.972	-4	...	...	441	-18.417	+8.468	-5	...	...
...	29.247	+35.036	-3	...	...	...	23.665	+25.400	-4	...	...	*	18.374	+16.704	1.05	43.8751	10.2
...	29.031	-28.515	-2	...	...	...	23.664	+29.121	-1	...	...	...	18.352	-30.954	-4	...	...
...	28.976	-11.627	-5	...	...	*	23.514	-39.268	1.60	44.9295	9.2	...	18.105	-54.189	0.75	...	...
...	28.826	-24.670	-5	...	...	...	23.413	+30.993	-2	...	...	...	18.082	+12.667	-5	...	...
...	-28.685	-3.635	-5	...	...	N	-23.402	+27.859	-4	...	...	...	-18.076	+20.231	-5	...	...
...	28.569	-13.977	-5	...	...	...	23.292	+31.039	-4	...	...	...	17.554	+9.593	-2	...	...
...	28.529	+32.344	-5	...	...	...	23.273	+8.984	-5	...	...	*	17.308	+56.102	1.10	43.8752	9.9
...	28.454	+18.039	-4	...	...	...	23.004	-30.625	-4	...	...	...	17.306	+49.238	-4	...	...
...	28.451	-18.506	-5	...	...	...	22.983	-59.273	-5	...	...	...	17.295	-59.339	-4	...	...

286. Var.

386. Image faulty.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
451-510						511-570						571-630					
451	-17.180	+35.664	-2	...	...	511	-11.466	+54.828	0.90	43.8755	10.4	571	-5.127	+17.829	-5	...	...
...	17.093	+42.230	-2	...	...	...	11.437	+27.810	0.70	...	...	...	5.108	-19.612	-1	...	...
...	17.073	+9.131	-5	...	...	...	11.403	-13.300	-5	...	...	...	5.001	+8.044	-5	...	...
...	17.054	-22.349	-5	...	...	...	11.339	+33.461	-2	...	...	...	4.824	+29.139	-4	...	...
...	17.029	-53.658	-5	...	...	...	11.226	-13.508	-5	...	...	...	4.724	+6.506	2.90	43.8758	7.8
...	-17.021	-15.592	-4	...	...	...	-11.130	-59.603	-5	...	...	...	4.666	-59.631	-2	...	...
...	16.980	+26.500	-5	...	...	...	11.117	+48.507	-3	...	...	...	4.549	+57.467	-4	...	...
...	16.850	-16.737	-2	...	...	...	11.029	+57.426	-1	...	...	...	4.385	-53.838	-3	...	...
...	16.796	+50.531	-4	...	...	...	11.009	+21.309	0.80	...	...	...	4.384	+51.613	-4	...	...
...	16.323	+2.538	-5	...	...	...	10.741	+25.653	-2	...	...	...	4.329	-54.384	-4	...	...
461	-16.236	-5.790	1.70	44.9301	9.3	521	-10.736	+25.780	-5	M	...	581	-4.326	+40.110	0.80	...	...
*	16.233	+9.750	1.10	43.8753	9.6	...	10.589	+23.526	-4	...	...	...	4.278	+33.694	-5	...	...
...	16.038	-57.749	-3	...	...	...	10.445	-29.437	-4	...	...	...	4.230	+34.210	-5	...	...
...	15.996	+30.827	-4	...	...	...	10.265	-58.886	-2	...	...	...	4.152	-30.850	-3	...	...
...	15.984	+14.571	-4	...	...	...	10.233	+36.265	-5	...	...	...	4.106	+39.284	-5	...	...
...	-15.910	+28.994	-5	...	...	...	-10.155	-36.917	1.00	44.9306	10.0	N	-4.044	+36.474	-3	...	...
...	15.876	+52.140	-5	...	...	...	10.130	+9.444	1.00	43.8756	10.2	...	4.014	+34.412	-3	...	...
...	15.857	+19.439	-2	...	...	...	10.125	-48.714	-5	...	...	N	4.005	+36.421	-1	...	...
...	15.709	-23.105	-3	...	...	...	9.924	-13.966	-5	...	...	...	3.897	-36.675	-4	...	...
...	15.671	-59.114	-5	...	...	...	9.913	-58.920	-5	...	...	...	3.760	+35.265	-4	...	...
471	-15.600	-39.469	-5	...	...	531	-9.801	+16.072	-3	...	...	591	-3.605	-19.661	1.00	44.9312	10.2
...	15.534	+22.222	-4	...	...	...	9.745	-49.601	-3	...	...	...	3.569	+44.364	-2	...	...
†	14.806	+2.669	-3	...	...	...	9.571	+53.740	-4	...	...	...	3.514	-35.915	-5	...	...
†	14.686	+39.111	-5	M	...	...	9.226	-18.957	-5	...	...	...	3.337	+29.043	-1	...	...
...	14.634	-44.395	-5	...	...	...	9.164	-39.183	0.90	44.9307	10.2	†	3.222	+29.777	0.75	...	...
...	-14.476	+43.947	0.80	...	...	...	-8.948	-53.031	0.85	44.9308	10.4	...	-3.220	+50.568	-2	...	...
...	14.364	+1.904	-5	...	...	...	8.889	-14.972	-3	...	...	...	3.133	-15.576	1.20	44.9313	9.9
...	14.231	+51.038	-5	M	...	...	8.782	-40.329	-5	...	...	...	3.076	-59.343	-4	...	...
...	14.214	+19.342	-3	...	...	...	8.731	+34.316	0.65	...	...	...	3.005	+26.781	-2	...	...
...	14.129	+31.459	-4	...	...	...	8.699	-52.191	0.65	...	...	...	2.986	-48.614	-3	...	...
481	-14.077	+54.298	-5	...	...	541	-8.694	-26.666	0.65	...	...	601	-2.893	-54.542	-5	...	...
...	13.831	-56.369	0.80	...	...	...	8.458	-31.421	-5	...	...	...	2.791	+8.741	-5	M m	...
...	13.768	+23.215	-5	M	...	...	8.359	+6.884	0.75	...	...	...	2.760	-25.966	-5	...	...
...	13.752	-5.866	-4	...	...	...	8.275	+39.265	-5	M	...	...	2.676	+28.393	-4	...	...
...	13.745	+41.394	-5	...	...	...	8.273	-58.468	0.80	...	...	...	2.676	+44.124	-4	...	...
...	-13.507	+44.489	0.75	...	...	...	-8.245	-32.581	-1	...	...	...	-2.580	-2.821	-4	...	...
*	13.378	+40.969	1.00	43.8754	10.0	...	7.963	-31.202	0.75	44.9309	10.4	...	2.552	-27.836	-3	...	...
*	13.318	-57.277	2.40	44.9302	8.4	...	7.921	-45.986	-5	...	...	...	2.503	+55.574	-3	...	...
*	13.090	-19.838	1.00	44.9303	9.8	...	7.775	+49.496	0.90	43.8757	10.4	...	1.926	-1.410	-4	...	...
...	12.937	-30.614	-4	...	...	...	7.755	-34.485	0.70	...	...	...	1.555	-15.628	-4	...	...
491	-12.929	-34.607	-3	...	...	551	-7.699	+40.309	-5	M	...	611	-1.531	+46.628	-4	...	...
...	12.871	+44.604	-2	...	...	...	7.621	-57.808	-5	...	...	...	1.388	-49.136	-5	...	...
...	12.726	+23.493	-5	...	...	...	7.271	-53.017	-5	...	...	...	1.348	-28.760	-1	...	...
...	12.724	-10.618	-4	...	...	...	7.255	+11.085	-5	...	...	...	1.180	-17.490	-1	...	...
†	12.676	+49.769	-4	...	...	...	7.249	-51.217	-5	...	...	...	1.055	+15.704	-5	M m	...
...	-12.644	-29.709	-5	...	...	...	-7.044	-25.897	-5	...	...	...	-1.048	-33.075	-3	...	...
...	12.575	+23.502	-5	...	...	...	6.850	+46.419	0.80	...	...	...	0.978	+34.379	0.75	43.8759	10.4
...	12.540	-46.991	-5	...	...	...	6.765	-41.146	-1	...	...	...	0.961	-34.247	-5	...	...
...	12.378	+37.305	-5	M	...	...	6.720	-51.497	-5	...	...	...	0.844	-33.632	-5	...	...
...	12.220	+13.561	-2	...	...	...	6.694	+50.044	-5	...	...	...	0.762	-56.686	-4	...	...
501	-12.188	-35.862	1.40	44.9304	9.4	561	-6.111	-52.584	0.65	...	...	621	-0.722	+58.830	-3	...	...
*	11.978	+56.274	-4	...	...	...	6.002	+42.444	-5	...	...	...	0.712	-21.943	-5	...	...
S*	11.938	-19.500	3.15	44.9305	7.8	...	5.937	+42.245	-5	...	...	...	0.679	+44.233	-4	...	...
...	11.887	+0.261	-4	α	...	...	5.911	-34.351	1.10	44.9310	9.8	...	0.635	-35.132	-4	...	...
...	11.820	+10.891	-5	M	...	...	5.767	-11.556	1.15	44.9311	10.2	...	0.454	-40.213	-4	...	...
...	-11.734	-22.952	-5	...	...	...	-5.606	-47.417	-4	m	...	N	-0.357	+38.873	-3	...	...
...	11.612	-11.384	-5	...	...	...	5.498	-58.772	-5	m	...	N	0.313	+38.847	-2	...	...
...	11.598	-10.023	-4	...	...	...	5.496	-40.457	-5	m	...	...	0.349	-40.427	-2	...	...
...	11.492	-35.939	-5	...	...	...	5.453	-2.227	-5	...	...	...	0.296	+40.024	-2	...	...
...	11.484	-28.913	-3	...	...	...	5.445	-31.482	-5	m	...	...	0.272	-56.218	-5	...	...

586, 588. 43°·112, mass; 43°·113, two stars.

626, 627. 43°·112, 43°·113, mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-690						691-750						751-810					
631	- 0·070	+ 43·969	- 5	M m	...	691	+ 7·225	+ 10·634	- 5	m	...	751	+ 11·972	+ 34·654	- 5	m	...
...	+ 0·014	- 33·508	- 3	m	...	...	7·556	- 4·042	- 4	m	...	...	12·206	+ 3·226	- 2	...	...
...	0·166	+ 49·560	- 3	M	...	...	7·583	+ 51·738	- 5	m	...	...	12·220	- 7·646	- 5	m	...
†	0·168	+ 33·687	0·90	43·8760	10·4	...	7·628	+ 54·412	- 5	...	...	...	12·304	- 9·962	- 3	m	...
...	0·287	+ 25·951	- 5	...	...	*	7·680	+ 37·813	1·30	43·8764	9·4	...	12·343	+ 37·524	0·80	...	...
...	+ 0·815	- 59·093	- 5	m	...	*	+ 7·789	+ 42·810	0·90	43·8765	10·4	...	+ 12·442	- 44·181	- 4	m	...
...	1·123	- 42·027	- 5	m	...	...	7·990	- 1·472	- 4	m	...	...	12·491	- 9·051	- 5	m	...
...	1·134	+ 56·763	- 5	...	...	...	8·032	+ 46·001	0·70	...	...	...	12·580	- 56·551	0·70	...	...
...	1·234	+ 27·960	- 5	m	...	...	8·135	+ 16·859	- 4	...	...	...	12·630	+ 41·424	- 5	...	...
...	1·242	- 36·192	- 5	m	...	*	8·192	- 8·897	1·70	44·9319	9·0	...	12·674	+ 47·984	- 5	m	...
641	+ 1·282	+ 37·450	- 3	...	...	701	+ 8·273	+ 55·983	- 1	...	...	761	+ 12·729	+ 17·290	- 4	...	...
*	1·344	- 23·622	1·20	44·9314	9·6	...	8·328	- 15·997	- 5	m	...	...	12·788	+ 42·753	- 5	...	...
*	1·376	- 18·660	0·95	44·9315	10·4	...	8·362	+ 43·386	- 4	...	...	...	12·842	+ 8·125	- 1	...	...
...	1·416	+ 5·345	0·70	...	...	...	8·399	- 11·746	- 5	m	...	...	13·010	+ 47·501	- 3	...	...
...	1·497	+ 56·167	- 5	m	...	...	8·516	- 54·494	- 2	a	...	*	13·028	- 28·464	1·05	44·9325	10·2
...	+ 1·520	- 23·113	- 5	m	...	...	+ 8·591	+ 52·355	- 5	...	...	*	+ 13·053	- 23·448	1·40	44·9324	9·4
...	1·580	- 24·207	- 5	m	...	...	8·665	- 53·612	- 3	m	...	...	13·173	- 37·595	- 5	m	...
...	1·592	- 47·852	- 3	m	...	...	8·681	+ 54·822	- 5	...	...	...	13·324	- 2·586	- 4	m	...
...	1·669	+ 36·681	- 2	...	...	...	8·890	+ 29·065	- 5	...	...	...	13·403	- 51·218	0·70	...	...
...	1·812	- 31·985	- 5	m	...	...	9·058	- 7·846	- 3	m	...	*	13·435	+ 32·116	0·85	43·8771	10·4
651	+ 2·180	+ 51·586	- 5	...	...	711	+ 9·063	+ 45·081	- 5	m	...	771	+ 13·484	+ 51·169	- 5	...	...
...	2·304	- 20·714	- 5	m	...	...	9·136	+ 12·937	0·75	...	...	...	13·498	+ 30·778	0·65	...	...
...	2·820	+ 28·903	- 4	...	...	*	9·158	+ 23·018	1·00	43·8766	10·4	...	13·523	- 32·372	- 5	m	...
...	3·075	+ 7·894	- 4	...	...	...	9·290	+ 29·509	- 4	...	...	...	13·751	- 34·357	0·80	...	...
...	3·113	+ 11·063	- 5	...	...	...	9·340	- 37·471	- 5	m	...	...	13·752	- 14·899	- 5	...	...
...	+ 3·242	+ 31·414	- 4	...	...	...	+ 9·418	+ 19·055	- 4	...	...	...	+ 13·832	- 59·083	- 5	m	...
...	3·260	- 9·259	- 5	m	...	...	9·617	+ 45·123	- 5	m	...	...	13·873	+ 57·119	- 3	...	...
...	3·406	+ 41·933	- 4	...	...	...	9·683	- 26·385	- 5	m	...	...	14·130	+ 28·138	- 1	...	...
...	3·495	+ 55·522	- 5	...	...	...	9·718	- 4·631	- 3	m	...	...	14·191	+ 50·103	- 5	m	...
...	3·566	+ 13·353	- 2	...	...	*	9·758	+ 44·474	0·95	43·8767	10·4	...	14·230	+ 10·757	- 5	...	...
661	+ 3·594	+ 11·453	- 5	...	...	721	+ 9·773	+ 43·777	- 5	m	...	781	+ 14·297	- 15·852	- 5	m	...
...	3·594	- 6·366	- 4	m	...	...	9·796	- 26·005	- 5	m	...	...	14·399	+ 34·110	- 5	...	...
...	3·805	- 32·753	- 5	m	...	*	9·888	- 26·316	1·20	44·9320	9·6	...	14·412	- 26·830	- 5	m	...
S*	3·818	- 50·863	1·85	44·9316	8·6	...	9·899	- 17·181	- 5	m	...	...	14·472	- 36·677	- 5	m	...
...	3·823	+ 41·160	- 4	...	...	...	9·920	+ 40·579	- 5	m	...	...	14·516	+ 31·585	0·70	...	...
...	+ 3·857	+ 11·737	- 5	m	...	*	+ 10·048	+ 19·171	2·50	43·8768	8·1	...	+ 14·626	+ 42·929	0·75	43·8772	10·4
*	3·872	+ 20·857	2·40	43·8761	8·4	†	10·161	- 54·460	- 3	m	...	...	14·639	- 3·017	- 5	m	...
...	3·963	+ 8·338	- 5	m	...	...	10·278	+ 7·769	0·65	...	...	...	14·640	- 44·603	- 4	m	...
...	4·388	- 54·381	1·00	44·9317	10·2	...	10·382	- 11·206	- 1	a	...	...	14·758	- 50·162	- 2	...	...
...	4·515	- 17·019	0·75	m	...	...	10·584	- 54·058	- 3	m	...	...	14·766	- 32·663	- 5	m	...
671	+ 4·703	- 46·158	- 3	m	...	731	+ 10·634	- 58·008	0·65	...	...	791	+ 14·901	+ 57·142	- 3	...	...
...	4·888	- 28·194	- 5	m	...	...	10·734	- 48·850	- 4	m	...	...	14·995	- 46·839	- 3	m	...
...	4·897	- 28·006	- 5	m	...	...	10·750	+ 52·187	- 5	m	...	...	15·105	+ 46·638	- 3	...	...
...	5·238	- 33·762	- 5	m	...	...	10·759	+ 17·380	- 5	...	...	...	15·327	- 52·444	- 4	m	...
...	5·339	- 17·843	- 5	m	...	*	10·787	+ 41·852	1·00	43·8769	10·4	...	15·433	- 44·451	- 4	m	...
...	+ 5·544	+ 58·933	- 5	m	...	...	+ 10·857	- 36·923	- 5	m	...	...	+ 15·435	+ 18·287	- 4	...	...
...	5·716	+ 44·942	- 5	...	...	...	11·005	+ 3·806	- 2	...	...	...	15·510	- 26·888	- 5	m	...
...	5·972	+ 12·721	- 5	...	...	*	11·037	- 15·788	1·25	44·9321	9·6	*	15·583	- 11·387	0·90	44·9326	10·2
*	6·065	+ 33·509	1·00	43·8762	10·2	*	11·112	+ 37·955	1·00	43·8770	10·0	...	15·652	+ 30·574	- 5	...	...
...	6·082	+ 40·069	- 4	...	...	...	11·134	- 35·944	- 5	m	...	...	15·676	+ 41·954	- 4	...	...
681	+ 6·176	- 48·966	- 5	m	...	741	+ 11·197	- 57·685	- 4	m	...	801	+ 15·696	- 42·359	- 5	m	...
...	6·177	+ 32·416	- 5	...	...	...	11·225	+ 56·644	- 4	...	...	...	15·740	- 28·225	- 5	m	...
...	6·318	- 35·569	- 1	m	...	...	11·275	+ 25·877	- 5	...	...	...	15·754	- 29·043	- 5	m	...
*	6·414	+ 43·591	1·00	43·8763	10·4	...	11·293	+ 25·219	- 1	...	...	...	15·890	+ 56·383	- 5	...	...
*	6·606	- 27·578	0·90	44·9318	10·4	*	11·436	- 2·890	1·00	44·9322	9·9	...	15·988	- 9·065	- 3	m	...
...	+ 6·754	- 55·928	- 5	m	...	...	+ 11·568	+ 45·505	- 5	...	...	...	+ 16·088	+ 49·211	- 1	...	...
...	6·804	+ 52·647	- 4	...	...	...	11·568	- 13·096	- 4	m	...	S*	16·160	- 5·635	1·00	44·9327	8·8
...	6·990	+ 43·099	- 4	a	...	...	11·651	- 16·164	- 3	m	...	...	16·256	- 7·972	- 4	m	...
...	6·997	- 32·908	- 5	m	...	...	11·767	- 55·987	- 5	m	...	...	16·271	- 17·400	- 4	m	...
...	7·174	+ 15·791	- 5	...	...	*	11·904	- 17·189	0·95	44·9323	10·4	...	16·451	+ 47·700	- 5	...	...

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
811-870						871-930						931-990								
811	+16.520	+ 6.938	0.80	43.8773	10.4	...	871	+21.079	-40.806	- 2	...	...	931	+25.061	-30.443	0.95	44.9336	10.2	...
...	16.541	-57.227	- 5	m	...	...	...	21.154	-40.969	- 5	m	...	...	†	25.103	-11.453	- 3	b	...
...	16.734	+51.346	0.65	...	...	...	...	21.173	+51.946	- 4	...	...	...	†	25.192	+46.801	- 5	...	...
...	16.775	-36.269	- 3	m	...	...	...	21.177	-46.334	- 5	m	...	...	†	25.208	+33.754	- 2	...	...
*	16.854	+57.977	0.90	...	...	...	...	21.205	-34.770	- 2	a	...	...	...	25.253	-21.504	- 4	m	...
...	+16.864	-56.936	- 3	m	...	...	...	+21.306	+53.915	- 5	...	...	...	...	+25.454	+26.577	- 5	m	...
...	16.903	-25.380	- 5	m	...	...	...	21.474	+37.825	- 5	m	...	...	*	25.504	+32.706	0.90	...	...
...	17.093	+42.015	- 5	...	...	...	...	21.497	+17.240	- 3	...	...	...	...	25.614	+15.208	- 2	...	...
...	17.111	-45.830	- 4	m	...	...	...	21.581	-13.387	0.85	44.9331	10.2	...	...	25.759	-36.581	- 5	m	...
...	17.438	-48.986	- 4	m	...	...	...	21.665	+33.967	- 5	m	...	...	...	25.774	+39.442	- 2	...	...
821	...	...	...	...	...	...	881	+21.696	+37.938	- 5	m	...	...	941	+25.971	-29.939	- 4	m	...
...	+17.504	+28.923	0.75	...	...	...	...	21.726	-31.642	- 5	m	...	...	*	25.979	+27.231	5.60	43.8779	6.4
*	17.564	+17.307	1.10	43.8774	9.9	...	...	21.726	+21.920	- 5	...	...	...	†	26.201	+ 4.795	1.00	43.8780	9.9
...	17.584	+ 0.573	0.85	44.9328	10.2	...	...	21.726	+ 3.992	- 5	m	...	...	...	26.201	-42.410	- 4	m	...
S*	17.590	+12.632	5.70	43.8775	6.8	...	...	21.752	-11.856	- 2	a	...	...	...	26.330	+30.367	- 4	...	...
...	17.627	+ 3.745	- 5	m	...	...	...	+21.766	+38.567	- 5	...	...	...	...	+26.451	+30.877	0.85	...	...
...	+17.627	-12.642	- 1	...	...	...	...	21.875	+42.755	- 5	...	...	...	...	26.543	+55.287	- 4	...	...
*	17.628	-42.283	1.00	44.9330	9.8	...	...	21.885	+25.769	- 5	m	...	...	...	26.553	+ 8.865	- 4	...	...
...	17.646	-23.648	0.90	44.9329	10.2	...	...	21.935	-45.799	- 5	m	...	...	...	26.617	-26.220	- 5	m	...
...	17.706	-17.677	- 5	m	...	...	...	21.990	+35.280	- 4	...	...	...	...	26.622	+ 7.777	- 4	m	...
...	17.842	-40.292	- 2	...	...	...	891	+21.990	-33.355	0.70	44.9332	10.4	...	951	+26.855	-27.998	- 5	m	...
831	...	...	...	...	...	...	...	22.116	+19.423	- 5	...	...	...	...	27.016	-31.666	- 4	m	...
...	+18.009	-18.093	- 5	m	...	...	...	22.124	-18.395	- 4	m	...	...	...	27.147	+27.719	- 4	...	...
...	18.080	+ 5.939	- 3	m	...	...	...	22.297	+39.681	- 3	...	...	...	...	27.227	-45.509	- 5	m	...
...	18.100	+25.470	- 4	...	...	...	...	22.400	- 4.809	- 5	m	...	...	...	27.256	- 7.224	- 2	...	...
*	18.489	+46.060	0.90	...	...	...	...	+22.404	-59.706	- 5	m	...	...	...	+27.433	+14.087	- 4	...	...
...	18.525	-57.848	0.80	...	...	...	...	22.411	+49.224	- 4	...	...	...	*	27.464	-28.919	1.20	44.9337	9.6
...	+18.535	+20.472	- 3	...	...	...	...	22.445	-50.597	- 4	m	...	...	...	27.526	+49.007	- 5	...	...
...	18.543	+ 7.089	- 5	m	...	...	...	22.535	-37.607	1.15	44.9333	9.4	...	...	27.560	-55.799	- 3	m	...
...	18.586	-30.347	- 5	m	...	...	...	22.535	-41.404	- 4	m	...	...	...	27.611	-31.130	0.80	44.9338	10.4
...	18.639	+33.775	- 5	...	...	...	901	+22.799	+40.197	- 3	...	...	...	961	+27.845	-47.029	- 4	m	...
...	18.732	- 0.469	- 4	m	...	...	...	22.818	+49.187	- 5	m	...	...	...	28.002	+45.760	- 5	...	...
841	...	...	...	...	...	...	...	22.863	+37.238	- 5	...	...	...	...	28.023	-36.022	- 5	m	...
...	+18.741	+50.760	- 3	...	...	...	...	23.113	+ 9.470	- 1	...	...	...	...	28.043	-38.869	- 5	m	...
...	18.850	-58.215	- 5	m	...	...	...	23.274	+28.912	0.80	43.8778	10.4	...	*	28.200	-35.187	1.00	44.9339	10.2
...	18.894	-30.506	- 4	m	...	...	...	+23.317	-31.574	- 4	m	...	...	...	+28.418	+11.906	- 4	...	...
...	19.006	-51.341	- 5	m	...	...	...	23.348	+43.621	- 3	...	...	...	...	28.418	-43.513	- 5	m	...
...	19.046	-37.260	- 5	m	...	...	...	23.368	-50.415	- 5	m	...	...	...	28.587	-43.050	- 4	m	...
*	+19.091	+11.382	1.00	43.8776	9.8	...	...	23.451	- 4.510	- 5	m	...	...	*	28.630	+52.545	1.00	43.8781	10.4
†	19.130	+44.733	- 5	...	...	...	...	23.456	-34.543	- 3	m	...	...	...	28.838	+56.913	- 4	...	...
...	19.203	-55.879	- 1	...	...	...	911	+23.458	-50.478	- 5	m	...	...	971	+28.934	-21.691	1.00	44.9340	10.2
...	19.332	+23.438	- 5	m	...	...	...	23.651	-58.455	0.70	...	...	...	...	28.979	+22.436	- 3	...	...
...	19.337	+16.405	- 4	...	...	...	...	23.812	+ 1.233	0.70	44.9334	10.4	...	...	29.039	+ 2.484	- 3	...	...
851	...	...	...	...	...	...	...	23.866	-43.940	- 4	m	...	...	...	29.052	+25.133	- 4	m	...
...	+19.527	+ 8.745	- 3	...	...	...	...	24.033	-46.956	- 5	m	...	...	...	29.146	-48.916	- 4	m	...
...	19.669	-21.080	0.75	...	...	...	...	+24.083	+42.085	- 4	...	...	...	...	+29.173	-26.922	- 5	m	...
...	19.715	+24.882	- 4	...	...	...	...	24.283	+ 2.299	- 5	m	...	...	...	29.422	+28.005	- 4	...	...
...	19.789	- 1.872	- 3	m	†	24.356	+24.763	- 5	m	29.424	+25.852	- 4	m	...
...	19.821	-42.774	- 4	m	*	24.372	-35.261	0.95	44.9335	10.2	29.480	+17.609	- 4
...	+19.868	+47.104	- 5	...	...	...	...	24.392	-18.277	0.70	...	...	...	...	29.774	+ 1.468	- 3	...	...
...	19.911	+44.483	- 5	m	...	...	921	+24.498	-50.569	- 5	m	...	...	981	+29.851	-50.562	0.75	...	...
...	20.001	-57.820	- 1	...	...	...	...	24.596	-41.362	- 5	m	...	...	*	29.897	-50.461	0.90	44.9341	10.0
...	20.042	-14.062	- 5	m	...	...	...	24.638	+ 8.563	- 5	...	...	...	...	30.015	- 4.733	- 4	m	...
†	20.133	+33.963	- 5	...	...	...	...	24.689	-49.984	- 5	m	...	...	...	30.599	+49.177	- 4	...	...
861	...	...	...	...	...	...	...	24.748	-39.975	- 5	m	...	...	...	30.655	-34.675	- 4	m	...
...	+20.284	-26.423	- 5	m	...	...	...	+24.784	-17.144	- 4	m	...	...	...	+30.732	- 3.570	- 5	m	...
...	20.297	-19.856	- 5	m	...	...	...	24.799	-42.736	- 5	m	...	...	...	30.763	-50.672	- 4	m	...
S*	20.545	+57.727	1.55	43.8777	9.2	...	...	24.800	+ 6.447	- 3	...	...	...	...	30.791	-59.752	0.70	...	...
...	20.580	- 5.884	- 3	m	...	...	...	24.818	+32.028	- 4	...	...	...	...	30.799	+ 6.943	- 2	...	...
...	20.583	-30.790	- 5	m	...	...	...	25.013	+10.537	- 5	...	...	...	...	30.937	+29.983	- 3	...	...
...	+20.612	- 1.853	- 5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20.699	+25.597	- 3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20.701	+11.862	- 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20.734	- 6.480	- 5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	20.994	+33.863	- 5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.		Notes.	Co-ordinates.			Diam.		C.P.D.								
	x.	y.	-z.	No.	Mag.	x.	y.		-z.	No.	Mag.	x.	y.	-z.	No.		Mag.	x.	y.	-z.	No.	Mag.	x.	y.	-z.	No.	Mag.			
991-1050						1051-1110						1111-1170																		
991	+31·057	-9·947	0·75	44·9342	10·4	1051	+35·396	+30·363	-5	...	1111	+40·006	+16·061	-5	...	1121	+41·295	+39·850	-3	...	1131	+41·898	+14·208	-5	m	...				
...	31·305	-21·204	-5	m	...	...	* 35·475	+17·914	2·40	43·8784	8·0	...	40·007	-39·025	-4	m	...	41·342	-38·672	-5	m	...	41·934	-40·340	-4	m	...	
...	31·437	+19·412	-2	...	...	...	35·789	+27·269	0·75	...	...	...	40·233	-31·998	0·70	...	...	41·343	-33·308	1·20	43·8792	9·5	...	42·048	-46·062	0·65	...	
*	31·589	+47·627	1·25	43·8782	9·6	...	35·813	-10·632	-3	m	40·332	-27·412	-5	m	41·372	-40·800	0·80	44·9349	10·4	...	42·110	+18·801	-5	m	...	
...	31·599	-46·073	-3	m	...	...	35·941	+57·893	0·75	...	...	...	40·332	-27·412	-5	m	...	...	41·416	-54·270	-5	m	...	42·197	-22·271	-5	m	...
...	+31·738	+59·227	-4	...	...	...	+36·001	-42·365	-4	m	...	...	40·560	-8·309	0·70	...	...	...	+41·480	+30·604	-5	...	...	+42·360	-32·648	-2	...	
...	31·763	+2·270	-5	36·046	-33·149	-1	+40·584	+43·389	-3	41·520	-9·734	-5	m	42·567	-13·198	-4	m	...	
*	31·823	+56·195	1·10	43·8783	9·8	...	36·205	-7·302	-5	m	...	...	40·719	+43·916	-5	m	...	...	41·609	-17·497	-4	m	...	...	42·810	+34·004	-5	...
...	31·914	-11·447	-5	m	36·299	-27·134	-5	m	40·828	-26·905	-4	m	41·677	+1·971	-5	m	42·888	-39·749	-5	...	
...	31·926	+8·638	-4	36·400	+6·692	-3	41·121	+40·259	-5	m	41·728	+2·600	0·70	43·8793	10·4	...	42·913	-39·864	-5	m	...
1001	+31·949	-4·506	0·90	44·9343	10·2	1061	+36·499	+13·326	-5	...	...	1121	+41·295	+39·850	-3	...	...	...	...	...	...	...	...	...	...	...	...	...
...	32·037	+57·143	-2	...	...	...	36·672	+1·203	-4	...	...	...	41·342	-38·672	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	32·106	+49·145	-5	...	...	...	36·740	-19·102	-5	m	...	...	*	41·343	-33·308	1·20	43·8792	9·5	...	...	...	...	...	...	...	...	...	...
...	32·251	-14·432	-3	m	...	...	36·926	-32·480	-4	m	...	...	...	41·372	-40·800	0·80	44·9349	10·4	...	...	...	...	...	...	...	...	...	...
...	32·294	+58·439	-5	...	...	...	* 37·014	-21·977	1·70	44·9346	8·9	...	...	41·416	-54·270	-5	m	...	...	...	...	...	...	...	...	...	...	...
*	+32·299	-43·699	1·00	44·9344	10·0	...	* 37·045	+8·882	1·00	43·8786	10·0	...	...	+41·480	+30·604	-5	...	...	...	...	...	...	...	...	...	...	...	...
...	32·306	+6·253	0·70	...	...	...	37·047	+34·566	-5	...	...	...	...	41·520	-9·734	-5	m	...	...	...	...	...	...	...	...	...	...	...
...	32·482	-1·858	-5	m	...	...	37·076	+18·616	-5	...	...	...	...	41·609	-17·497	-4	m	...	...	...	...	...	...	...	...	...	...	...
...	32·510	+46·434	-5	...	...	...	37·092	-2·079	-4	m	...	...	...	41·677	+1·971	-5	m	...	...	...	...	...	...	...	...	...	...	...
...	32·659	-48·657	-5	m	...	...	* 37·193	+30·487	1·60	43·8785	9·4	...	...	41·728	+2·600	0·70	43·8793	10·4	...	...	...	...	...	...	...	...	...	...
1011	+32·700	+26·604	-5	m	...	1071	+37·539	+48·612	-5	...	...	1131	+41·898	+14·208	-5	m	...	...	...	...	...	...	...	...	...	...	...	...
...	32·785	+21·174	-2	...	...	...	37·604	+48·581	-4	...	...	...	...	41·934	-40·340	-4	m	...	...	...	...	...	...	...	...	...	...	...
...	32·795	-31·819	-5	m	...	...	37·614	+28·503	-5	m	...	...	...	42·048	-46·062	0·65	...	...	...	...	...	...	...	...	...	...	...	...
...	32·977	-25·406	-5	m	...	...	† 37·633	-55·081	-4	m	...	...	...	42·110	+18·801	-5	m	...	...	...	...	...	...	...	...	...	...	...
...	32·988	+17·151	-5	...	...	...	37·813	+14·421	-3	...	...	...	...	42·197	-22·271	-5	m	...	...	...	...	...	...	...	...	...	...
...	+33·056	+32·277	-3	...	...	...	* 38·025	+17·667	0·95	43·8788	10·2	...	...	+42·360	-32·648	-2	...	...	...	...	...	...	...	...	...	...	...
...	33·133	-41·085	-5	m	...	...	38·058	+56·086	1·00	43·8787	10·2	...	...	42·567	-13·198	-4	m	...	...	...	...	...	...	...	...	...	...
...	33·176	-47·026	-5	m	...	...	38·233	+47·244	-2	...	...	...	...	42·810	+34·004	-5	...	...	...	...	...	...	...	...	...	...	...
...	* 33·192	-47·274	1·05	44·9345	9·8	...	38·327	+52·716	-4	...	...	...	...	† 42·888	-39·749	-5	...	...	...	...	...	...	...	...	...	...
...	33·209	-28·940	-5	m	...	...	38·379	-49·707	-3	m	...	...	...	42·913	-39·864	-5	m	...	...	...	...	...	...	...	...	...	...
1021	+33·308	-40·955	-5	m	...	1081	+38·391	-56·148	-4	m	...	1141	+43·105	-33·458	-2	...	...	...	...	...	...	...	...	...	...	...	...
...	33·332	+54·157	-5	...	...	...	38·396	+22·387	-4	...	...	...	...	43·373	+41·790	0·70	43·8794	10·2	...	...	...	...	...	...	...	...
...	33·437	-30·879	-4	m	...	...	38·398	+21·988	-5	m	...	...	*	43·409	-35·555	2·70	44·9350	7·8	...	...	...	...	...	...	...	...
...	33·456	+17·282	-5	m	...	...	38·400	-0·263	-4	m	...	...	...	43·430	+31·452	0·70	...	...	...	...	...	...	...	...	...
...	33·480	+54·469	-4	...	...	...	38·410	+18·017	-4	...	...	...	...	43·434	-29·523	-4	m	...	...	...	...	...	...	...	...
...	+33·497	-5·579	-5	m	...	...	+38·584	+47·155	-5	m	...	...	...	+43·469	+9·026	-5	...	...	...	...	...	...	...	...
...	33·526	+3·438	-5	m	...	...	38·634	-44·668	-5	m	...	...	...	43·618	-33·376	-5	m	...	...	...	...	...	...	...
...	33·716	+36·323	0·65	...	...	...	38·649	+44·068	-5	m	...	...	...	43·648	-2·767	-5	m	...	...	...	...	...	...	
...	33·756	+16·328	-5	m	...	...	38·660	-19·082	-4	m	...	...	...	44·078	+37·111	0·65	...	...	...	...	...	...		
...	33·889	+13·875	-4	...	...	...	38·676	-42·275	-5	m	...	...	...	44·158	+42·524	-5	m	...	...	...	...	...			
1031	+33·960	-49·340	-5	m	...	1091	* 38·921	-10·373	1·00	44·9347	10·4	1151	+44·168	+47·787	-1	...	...	...	...	...	...	...	...	...
...	34·072	+1·534	-5	...	...	...	38·968	+50·111	-1	...	...	...	...	44·330	-48·534	-4	...	...	...	...	...	...	...
...	34·109	-10·707	-5	m	...	...	39·022	-3·747	-4	m	...	...	...	44·378	-22·999	-4	m	...	...	...	...	...			
...	34·138	+45·531	-3	...	...	...	39·040	+16·648	-4	...	...	...	...	44·393	+46·811	-5	...	...	...	...	...				
...	34·246	-22·267	-5	m	...	...	39·122	-50·970	-5	m	...	...	...	44·562	-47·539	-3	...	...	...	...	...				
...	+34·273	+20·355	-4	...	...	...	+39·206	-58·344	-4	m	...	...	*	44·690	+32·514	1·15	43·8795	9·7	...	...	...						
...	34·284	+42·842	-3	...	...	...	39·224	+17·559	1·00	43·8790	10·0	...	...	44·708	-2·986	-3	...	...	...	...						
...	† 34·361	-40·020	-4	m	...	...	* 39·271	+41·843	1·20	43·8789	10·0	...	...	44·735	-39·947	-5	m	...	...	...							
...	34·373	-2·117	-5	m	...	...	39·281	+16·771	-3	...	...	...	...	44·833	+52·374	-5	...	...	...								
...	34·378	+33·208	-5	m	...	...	39·392	-42·785	-5	m	...	...	...	45·084	-3·957	-5	m	...	...									
1041	+34·700	+57·437	0·85	...	...	1101	+39·613	-55·763	-1	44·9348	10·4	1161	+45·147	-38·827	-2	...	...	...	...	...					
...	34·761	-39·558	-5	m	...	...	39·628	-33·593	-2	...	...	...	...	45·209	+28·064	-4	...	...	...								
...	34·841	+10·740	-5	m	...	...	39·705	+26·894	-4	...	...	...	...	45·258	-59·539	-4	...	...	...								
...	34·853	-52·205	-5	m	...	...	39·722	+18·756	-4	...	...	...	...	45·260	-1·699	-5	m	...	...									
...	34·861	-52·358	-5	m	...	...	39·725																					

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1171-1230						1231-1290						1291-1345					
I171	+45°604	-25°920	-4	...	...	I231	+51°298	+57°982	1·35	43·8800	9·7	I291	+56°172	-55°216	-5	...	...
...	45°691	-57°015	-1	...	...	*	51°304	-24°572	1·10	44·9354	9·8	...	56°203	+30°329	-5	m	...
*	45°714	+13°869	1·20	43·8796	9·7	...	51°356	+34°060	-5	...	...	...	56°286	-24°978	-2	...	...
...	45°821	+57°767	-3	...	...	*	51°389	+15°688	1·10	43·8801	9·6	...	56°479	+11°769	-4	m	...
*	45°856	+45°769	0·90	...	...	...	51°513	+48°363	-5	...	...	...	56°610	-39°975	-3	...	...
...	+45°866	-54°036	-4	m	...	...	+51°548	+33°909	-4	...	...	...	+56°627	+27°919	-4	...	...
...	45°875	+43°278	-5	m	...	...	51°552	-30°387	-5	m	...	...	56°734	+17°335	-4	...	...
...	45°910	-52°209	-5	m	...	...	51°672	+16°350	-4	...	...	...	56°754	-31°212	-4	e	...
...	45°927	+46°859	-3	...	...	*	51°775	-47°116	1·10	44·9356	9·9	...	56°758	+28°360	-4	...	...
...	45°964	-8°085	-5	m	...	...	51°805	+2°092	-5	m	...	...	56°771	+36°399	-5	m	...
I181	+45°980	+53°137	-4	...	...	I241	+51°870	-16°718	-5	m	...	I301	+56°799	+24°702	-3	...	...
...	46°143	-41°582	-4	m	...	...	51°985	+24°479	-5	...	...	...	57°080	-30°863	-4	m	...
...	46°248	-12°796	-4	m	...	*	52°087	-39°564	2·60	44·9357	7·8	...	57°130	-7°625	-5	m	...
...	46°462	+2°546	-5	...	...	*	52°216	-12°165	1·20	44·9355	9·5	*	57°205	-35°936	0·90	44·9363	10·4
...	46°487	-1°064	-4	m	...	...	52°341	+20°842	-5	...	...	...	57°323	-9°283	0·95	44·9362	10·4
*	+46°603	-15°655	0·90	...	...	...	+52°391	+10°455	-3	...	...	...	+57°328	+25°567	-5	...	...
...	46°684	-20°545	-4	m	...	...	52°395	+12°580	-4	...	...	...	57°368	+47°122	0·90	43·8804	10·4
...	46°859	-6°455	-1	...	...	...	52°440	-12°836	-4	m	...	...	57°580	-17°851	-5	m	...
...	46°872	-41°668	-4	m	...	...	52°522	+10°810	-4	...	...	...	57°606	+21°936	-5	...	...
...	46°962	-26°793	-5	m	...	...	52°673	-19°126	-3	e	...	...	* 57°674	-5°851	1·00	44·9364	10·4
I191	+47°178	-24°795	-5	m	...	I251	+52°758	-50°387	0·85	44·9359	10·4	I311	+57°727	+18°078	-3	...	...
...	47°197	+40°863	-4	...	...	...	52°788	-9°664	0·65	e	...	...	57°820	-25°724	-4	m	...
...	47°204	+28°914	0·80	...	...	*	52°800	-27°528	1·10	44·9358	9·8	...	57°866	-48°982	-2	...	...
...	47°225	-23°387	-5	m	...	...	52°814	+27°430	-5	...	...	...	57°947	-50°669	-4	...	...
...	47°250	+36°580	-4	...	...	...	52°824	-25°205	-5	m	...	...	57°978	+36°104	-5	m	...
*	+47°266	+15°428	0·90	43·8797	10·4	...	+52°959	+51°939	-3	...	...	*	+58°063	-26°593	1·40	44·9365	9·2
...	47°528	+40°136	-1	...	...	...	53°094	+7°306	-5	...	...	...	58°073	+6°431	0·65	...	...
*	47°740	-23°144	1·00	44·9351	9·6	...	53°228	+4°622	-2	...	...	...	58°138	-46°610	-3	e	...
...	47°793	-35°511	-4	m	...	...	53°395	+38°287	-3	...	...	...	58°202	+6°492	0·65	...	...
...	47°886	-36°539	-5	m	...	...	53°529	-21°935	-1	...	...	*	58°262	+43°435	0·95	43·8805	10·4
I201	+47°930	-15°399	-3	...	...	I261	+53°547	-6°580	0·65	e	...	I321	+58°266	+52°427	-3	...	...
N	47°952	-15°303	-1	...	...	...	53°673	+11°252	-5	...	...	...	58°320	+17°671	-5	m	...
...	48°000	-44°862	-4	m	...	...	53°740	-6°991	-2	e	...	...	58°322	+29°151	-2	...	...
...	48°053	+38°567	-5	...	...	*	53°856	-30°975	1·10	44·9360	9·6	...	58°340	+26°422	-3	...	...
S*	48°374	+9°695	1·50	43·8798	9·0	*	54°101	+39°432	1·25	43·8802	9·8	...	58°359	+2°194	-4	m	...
...	+48°538	+35°809	-4	...	...	...	+54°171	-5°735	-5	m	...	...	+58°420	+0°781	-3	...	...
...	48°715	+6°685	-5	...	...	...	54°179	-5°877	-4	m	...	...	58°448	+30°915	-4	...	...
...	48°721	-59°848	-3	m	...	...	54°214	+2°617	0·80	...	...	*	58°454	+22°447	0·95	...	...
...	48°965	+33°518	-5	m	...	...	54°270	-8°686	-2	e	...	...	58°462	+28°518	-4	...	...
...	49°063	+0°084	-1	...	...	...	54°353	-17°631	0·70	...	...	...	58°494	+55°928	-4	...	...
I211	+49°306	+5°165	-5	m	...	I271	+54°374	-40°398	-4	e	...	I331	+58°501	+5°677	0·75	...	...
...	49°356	-14°161	-4	m	...	...	54°447	+52°997	-4	...	...	...	58°612	+35°371	-4	...	...
...	49°493	-12°702	-3	e	...	S*	54°480	-27°629	2·10	44·9361	8·0	...	58°629	+32°088	-4	...	...
...	49°657	+22°032	-5	m	...	...	54°542	-19°879	-5	m	...	...	58°668	+59°639	-2	...	...
...	49°740	+25°423	0·90	...	...	...	54°666	+23°804	-4	...	...	...	58°944	+49°495	-1	...	...
...	+49°940	-27°509	-1	...	...	...	+54°677	+12°815	-5	...	...	...	+59°004	-10°090	-4	e	...
†	50°034	-16°272	0·90	44·9352	10·4	...	54°778	-11°227	-5	m	...	...	59°124	+24°994	-3	...	...
...	50°167	+43°661	-5	...	...	†	54°999	-19°372	0·65	...	...	...	59°225	-41°604	-5	m	...
...	50°321	+23°386	-5	...	...	...	55°156	-31°172	-5	m	...	...	59°272	-4°324	-1	e	...
*	50°529	+24°495	0·85	43·8799	10·4	...	55°225	+58°223	-5	...	...	...	59°546	-30°949	-5	m	...
I221	+50°569	-5°776	0·65	e	...	I281	+55°375	-36°999	-4	e	...	I341	+59°709	-41°245	0·80	...	...
...	50°608	-16°341	-5	m	...	...	55°433	-40°478	-1	...	...	...	59°817	-16°659	-5	m	...
S*	50°656	-48°515	2·20	44·9353	8·1	†	55°437	+19°772	1·00	43·8803	10·0	...	59°882	-29°452	-4	m	...
...	50°759	-55°130	-1	...	...	...	55°452	+35°357	-4	...	...	...	59°887	-59°363	-4	m	...
...	50°881	+56°979	-5	...	...	...	55°681	-2°012	-4	e	...	...	59°942	+19°300	-4	...	...
...	+50°890	-25°634	-5	m	...	...	+55°689	+42°795	-1	...	...	...	...	...	...	...	...
...	50°944	+46°519	-3	...	...	...	55°718	+22°885	-3	...	...	...	...	...	...	...	...
...	51°071	-28°939	-5	m	...	...	55°779	+14°192	0·85	...	...	...	...	...	...	...	...
...	51°074	+9°941	-5	m	...	...	56°007	-44°137	-4	m	...	...	...	...	...	...	...
...	51°118	+8°004	-5	m	...	...	56°134	-50°782	-4	m	...	...	...	...	...	...	...

1201, 1202. 44° 114. two stars; 45° 113. mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60																	
I						61						121					
S*	-59.848	+9.517	1.40	43.8798	9.0	...	-50.319	-9.165	0.75	44.9362	10.4	...	-37.530	+34.162	-5	...	...
N	59.508	-15.577	-4	...	...	...	50.281	+32.205	-5	...	...	...	37.410	-15.830	-5	M	...
N	59.495	-15.486	-4	...	...	...	50.210	-31.102	-5	E	...	...	37.080	+45.523	-3	...	...
*	59.470	-23.327	1.05	44.9351	9.6	...	50.152	+22.580	0.70	...	...	...	36.919	-14.769	0.75	44.9372	10.4
...	58.966	+25.275	-1	...	...	...	50.077	-5.721	0.90	44.9364	10.4	...	36.750	+58.815	-3	...	...
†	-58.866	-0.074	-3	F	...	...	-50.058	+6.555	-4	...	...	...	-36.504	-7.009	-4	B	...
*	58.392	+57.867	1.20	43.8800	9.7	...	49.930	+6.603	-4	...	...	...	36.244	-38.634	0.80	44.9373	10.4
...	58.146	+24.379	0.75	43.8799	10.4	...	49.617	-35.809	0.80	44.9363	10.4	*	36.168	+23.938	1.20	43.8808	9.4
...	58.050	-12.840	-5	E	...	...	49.613	+5.805	-3	...	...	*	35.938	+15.699	1.00	43.8809	9.9
*	57.382	-16.384	0.85	44.9352	10.4	...	49.559	+25.131	-5	...	...	...	35.763	+4.548	0.75	...	...
61-120																	
II						71						131					
...	-57.179	-5.881	-1	E	...	...	-49.536	+0.901	-5	...	...	...	-35.648	-37.616	-4	...	...
...	57.137	-27.615	-3	...	...	*	49.058	-26.463	1.40	44.9365	9.2	...	35.010	+8.385	-5	...	...
*	57.017	+15.606	1.00	43.8801	9.6	...	48.613	-9.945	-5	E	...	...	34.644	-27.062	-3	...	...
...	56.773	+16.269	-5	...	...	...	48.560	-48.837	-4	...	...	...	34.552	+29.419	-5	...	...
...	55.914	+12.527	-5	...	...	...	48.518	-4.165	-4	E	...	...	34.526	+38.355	-3	...	...
...	-55.865	+10.395	-4	...	...	...	-48.452	+32.707	-5	...	...	...	-34.464	+55.943	-4	...	...
*	55.861	-24.630	1.00	44.9354	9.8	...	48.421	-50.518	-5	...	...	...	34.060	+12.199	-5	...	...
S*	55.773	-48.587	2.30	44.9353	8.1	...	48.362	-46.464	-5	E	...	...	34.015	+55.396	-4	...	...
...	55.702	+38.251	-4	...	...	...	48.157	+27.277	-4	...	...	*	33.807	+51.703	1.00	43.8810	9.7
...	55.466	-55.184	-4	...	...	...	48.012	+50.750	1.25	43.8806	9.5	...	33.623	+33.192	-3	...	...
2I						81						141					
*	-55.326	-12.212	1.10	44.9355	9.5	...	-47.779	+14.208	-2	...	...	...	-33.461	+29.884	-5	...	...
†	55.020	+39.409	1.10	43.8802	9.8	...	47.580	+17.427	-3	...	...	...	33.092	+10.036	-3	...	...
...	54.845	-9.703	-3	E	...	...	47.535	-8.933	-5	M	...	...	32.723	-50.991	-5	M	...
...	54.840	+4.593	-4	...	...	*	47.075	-3.687	0.95	44.9366	10.0	...	32.617	-24.343	-5	M	...
*	54.706	-47.165	1.00	44.9356	9.9	...	46.956	-41.042	0.70	...	...	...	32.469	+30.039	-3	...	...
...	-54.676	-19.159	-5	E	...	...	-46.798	+20.213	-5	...	...	...	-32.457	-0.019	-4	...	...
*	54.610	-39.595	2.40	44.9357	7.8	...	46.509	-6.117	0.70	44.9368	10.4	...	32.433	-21.795	-1	...	...
*	54.281	-27.545	0.95	44.9358	9.8	...	45.932	-46.061	0.90	44.9367	10.2	...	32.408	-30.986	-5	M	...
...	54.184	-6.595	-2	E	...	...	45.746	-37.887	0.70	...	...	...	32.051	-9.960	-2	...	...
...	53.977	-7.001	-4	E	...	...	45.430	-22.915	-5	M	...	n	31.681	-4.090	-3	44.9375	10.4
3I						91						151					
...	-53.797	+2.618	-1	...	...	...	-44.807	+46.108	-2	...	...	...	-31.561	-51.400	-5	M	...
...	53.727	-21.936	-3	...	...	...	44.580	+29.379	-5	...	...	...	31.553	+50.961	-2	...	...
...	53.613	-50.404	-1	44.9359	10.4	...	44.058	+26.432	-5	...	...	n	31.473	-3.989	-2	44.9375	10.4
...	53.552	+42.826	-3	...	...	...	43.960	+34.401	-4	...	...	...	31.257	-29.487	0.90	44.9374	9.9
...	53.406	-8.675	-4	E	...	...	43.751	+18.442	-5	...	...	...	30.864	+21.838	-1	...	...
*	-53.125	-30.975	1.00	44.9360	9.6	...	-43.444	-36.981	-4	...	...	...	-30.573	-54.524	-1	...	...
†	53.094	+19.811	0.90	43.8803	10.0	...	43.072	+10.669	-5	...	...	...	30.524	+27.749	-2	...	...
...	53.044	-17.614	-2	...	...	...	43.055	+39.320	-1	...	...	...	30.481	-15.330	-4	B	...
...	52.895	+22.924	-5	...	...	...	42.971	+2.766	-3	...	...	†	30.196	-56.787	1.10	44.9376	9.7
S*	52.597	-27.598	2.10	44.9361	8.0	...	42.956	+19.675	-3	...	...	†	30.066	+15.859	-5	...	...
4I						101						161					
...	-52.581	+14.239	-1	...	...	...	-42.874	+27.777	-4	...	...	...	-29.636	+25.231	-5	...	...
...	52.333	-19.331	-1	...	...	...	42.836	+41.553	0.65	...	...	...	29.491	+10.271	-5	...	...
...	52.325	-40.364	-5	E	...	*	42.728	-17.787	1.00	44.9370	9.9	...	29.455	+9.517	-4	...	...
...	52.180	-1.960	-5	E	...	*	42.543	-53.917	1.50	44.9369	9.0	...	29.271	+32.322	-1	...	...
...	52.146	+27.981	-5	...	...	...	42.491	-40.719	-5	M	...	...	29.131	-16.194	0.85	44.9377	10.0
...	-52.033	+28.440	-5	...	...	...	-42.347	+52.758	-5	...	...	...	-29.072	-10.927	-3	...	...
...	51.985	+47.202	0.90	43.8804	10.4	...	41.669	+4.138	0.85	43.8807	10.3	...	28.848	+1.906	-4	...	...
...	51.887	+24.781	-4	...	...	...	41.213	-2.575	0.80	44.9371	10.4	...	28.664	-40.401	-4	...	...
...	51.406	-36.922	-5	E	...	...	41.048	+35.868	-4	...	...	*	28.526	-22.803	1.00	44.9378	9.9
...	51.256	-40.406	-3	...	...	...	41.003	-28.057	-4	...	...	...	28.485	-50.707	-3	...	...
5I						111						171					
...	-51.255	+52.531	-5	...	...	...	-40.559	+36.906	-4	...	...	...	-28.333	+32.478	-5	...	...
...	51.152	+56.015	-5	...	...	...	40.449	+38.418	-5	...	...	...	27.605	-26.270	-2	...	...
†	51.079	+59.742	-2	...	...	†	40.110	+0.237	-2	...	...	*	27.597	-22.086	1.15	44.9379	9.4
...	50.987	+43.541	0.85	43.8805	10.4	...	39.674	+52.726	-4	...	...	...	27.584	+39.018	-4	...	...
...	50.868	-24.886	-4	...	...	...	39.092	+2.754	-3	...	...	...	27.558	-28.146	-4	...	...
...	-50.762	+18.190	-4	...	...	...	-38.262	+20.562	-3	...	...	...	-27.512	+33.203	-5	...	...
...	50.496	+29.265	-4	...	...	...	38.041	-48.478	-1	...	...	...	27.251	+22.443	-4	...	...
...	50.488	+49.617	-1	...	...	...	38.035	+24.097	-5	...	...	...	27.172	-27.293	-1	...	...
...	50.374	+26.538	-4	...	...	...	37.867	-10.570	-5	M	...	...	27.163	-53.064	-3	...	...
...	50.339	+28.628	-5	...	...	...	37.822	+58.738	-2	...	...	...	26.852	+14.692	-5	...	...

MC measured from 1, 114, 201, 297, 373, 469.
ES " " 67, 160, 250, 335, 415, 511.

2, 3, 44° 113, two stars; 45° 113, mass.
150, 153. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-26.747	-30.562	-2	...	...	241	-11.522	-13.966	1.00	44.9393	9.6	301	+0.595	-25.809	2.60	44.9402	8.0
S*	26.733	+9.578	1.30	43.8812	9.2	*	11.321	-58.393	1.00	45.9533	9.9	...	+0.869	-19.576	-5	M	...
...	26.359	+8.190	-4	...	...	...	11.273	+41.608	-1	...	...	...	1.333	-13.458	-1	44.9403	10.0
...	26.238	-45.403	-5	M	...	...	11.024	-38.719	-1	...	...	...	1.471	+28.593	-3	...	...
...	26.186	-4.082	-3	...	...	...	10.757	-16.375	1.60	44.9394	9.0	...	1.913	+54.842	-4	...	...
...	-25.223	-49.454	0.65	44.9380	10.4	...	-10.518	+13.428	1.00	43.8825	9.9	...	+1.943	+0.254	-5	Ma	...
...	24.499	-44.768	0.70	44.9381	10.2	...	10.457	+29.717	-3	...	...	...	1.949	+54.504	0.90	43.8837	10.2
...	23.800	+39.297	-5	...	...	...	10.285	+58.307	-5	...	...	...	2.510	-33.765	-4	M	...
...	22.799	+6.262	-2	43.8813	10.4	†	10.156	+34.314	1.00	43.8826	9.6	*	2.798	+41.286	1.00	43.8838	9.6
*	22.569	-10.297	1.80	44.9382	8.8	...	9.745	-53.047	-1	44.9395	10.4	...	3.181	-47.892	-2	...	...
191	-22.536	+28.587	-5	...	...	251	-9.420	-41.870	-2	...	...	311	+3.560	+20.459	0.95	43.8839	9.8
...	22.445	+2.337	-3	...	...	...	9.185	+20.376	-5	A	...	...	3.953	+42.615	-4	...	...
*	22.407	+42.632	1.10	43.8814	9.5	...	9.064	+50.525	-2	...	...	*	4.091	-58.084	1.30	44.9404	9.4
...	22.117	+54.266	0.70	...	...	...	8.906	-39.587	-5	M	...	...	4.130	-50.488	-3	...	...
*	21.934	+22.962	0.95	43.8815	9.8	...	8.801	+18.559	-3	...	...	...	4.305	+43.356	-4	...	...
...	-21.416	-0.657	-3	...	...	...	-8.786	-50.223	-4	...	...	†	+4.593	+24.847	-4	...	...
...	21.327	+28.293	5	...	...	...	8.098	-6.390	-5	M	...	†	4.782	-5.757	-5	M	...
...	21.198	+23.443	0.75	43.8816	10.4	...	8.089	+28.266	-5	...	...	...	5.353	+20.158	-4	...	...
*	20.578	-0.687	1.80	44.9384	8.8	...	7.714	+35.986	-5	...	...	...	5.382	-1.610	-5	M	...
...	20.536	+12.582	-5	...	...	*	7.620	+31.582	1.60	43.8827	9.0	...	5.530	+49.898	-5	...	...
201	-20.114	-50.986	0.90	44.9383	9.9	261	-7.550	+52.155	-3	...	...	321	+5.652	+28.178	1.30	43.8840	9.3
...	20.055	-30.309	0.75	44.9385	10.4	...	7.486	-9.027	1.25	44.9396	9.4	...	5.783	+9.384	-5	M	...
...	19.812	+35.778	-4	...	...	...	7.399	-45.790	-3	...	...	...	6.094	-29.049	-3	...	...
...	19.653	+57.831	-5	...	...	...	7.161	+34.056	-5	...	...	...	6.129	-24.251	-5	M	...
...	19.489	+47.595	-4	...	...	S*	6.747	-53.337	1.40	44.9397	9.0	...	6.472	-24.087	-5	M	...
...	-19.322	-23.912	-5	M	...	...	-6.660	-13.165	-5	M	...	...	+6.972	-1.055	-4	...	...
...	19.057	-39.749	-5	M	...	...	6.490	-38.700	0.70	44.9398	10.4	...	7.196	-40.826	-5	...	...
...	18.476	-27.523	0.90	44.9386	9.9	...	6.271	+49.292	0.65	...	...	*	7.234	-51.952	0.95	44.9405	9.8
*	18.289	+35.707	1.05	43.8817	9.8	*	5.469	+26.985	1.10	43.8828	9.7	...	7.715	+32.732	-4	...	...
...	18.148	+23.746	0.90	43.8818	10.4	...	5.358	-47.857	-4	M	...	...	7.865	+38.153	-4	...	...
211	-18.074	+10.324	2.10	43.8819	7.9	271	-5.342	-16.171	-4	M	...	331	+8.307	-3.283	-5	...	...
*	18.019	+30.151	1.40	43.8820	9.4	...	5.284	-4.091	-3	M	...	...	8.356	+8.475	-1	43.8841	10.0
*	17.950	-28.203	1.10	44.9387	9.8	...	5.043	-46.507	-5	M	...	...	8.650	+35.705	-1	...	...
†	17.890	-19.997	-5	...	...	...	5.009	+28.902	-5	...	...	...	9.065	+40.228	-1	...	...
...	17.889	-19.762	-4	...	...	...	4.807	+42.165	0.85	43.8829	10.3	...	9.849	-51.525	-5	...	...
...	-17.870	+13.167	-4	...	...	...	-4.154	-34.215	-3	...	...	...	+10.136	-46.289	-2	44.9406	10.4
...	17.359	-53.190	-5	M	...	...	4.099	+47.279	-3	...	...	...	10.209	-49.015	-4	...	...
...	16.939	-47.333	-1	44.9388	10.4	...	4.071	+31.352	-2	...	...	...	10.485	-17.433	-5	...	...
...	16.732	-41.212	0.75	44.9389	10.2	...	4.047	+43.388	0.65	...	...	...	10.598	+5.097	-5	...	...
...	16.442	-45.101	-5	M	...	*	4.025	+37.798	1.10	...	...	...	10.654	+15.351	-4	...	...
221	-16.318	+10.154	-5	...	...	281	-3.768	+37.903	0.90	43.8830	9.2	341	+10.694	+30.836	-5	...	...
*	16.315	+44.579	1.50	43.8822	9.4	...	3.607	-34.083	-2	...	...	...	10.737	-53.232	-4	...	...
*	16.310	+36.207	1.00	43.8821	9.8	...	3.398	-11.366	-5	M	...	...	10.762	+45.862	-5	...	...
...	15.786	+7.134	0.90	43.8823	10.2	...	2.948	-43.118	-5	M	...	...	11.236	-59.530	-5	...	...
...	15.498	+3.838	-4	...	...	...	2.690	-46.951	-4	...	...	...	11.299	+52.349	-3	...	...
...	-15.397	+58.404	-3	...	...	*	-2.265	+26.734	1.00	43.8831	9.9	...	+11.407	-24.710	-3	...	...
...	13.834	+1.833	-1	...	...	*	1.944	+52.067	1.35	43.8832	9.2	...	11.466	-24.742	-1	44.9407	10.2
...	13.644	-56.013	0.90	44.9390	10.4	...	1.830	+37.318	-5	...	...	*	11.797	+40.435	0.95	43.8842	9.9
...	13.615	+2.622	-1	43.8824	10.4	...	1.324	+45.136	-1	...	...	...	11.882	+49.678	-5	...	...
...	13.613	+16.336	-2	...	...	...	1.094	+16.573	-5	...	...	...	12.278	-26.425	-4	...	...
231	-13.607	+26.348	-4	...	...	291	-0.772	+13.327	0.65	43.8833	10.4	351	+12.690	-36.900	-5	...	...
...	13.516	-39.615	-3	...	...	S*	0.595	+47.999	1.35	43.8834	9.0	...	12.757	-39.214	-5	...	...
...	13.413	-2.855	-5	M	...	...	0.453	+1.179	-5	...	...	*	13.419	+3.960	1.10	43.8843	9.7
...	13.247	-0.027	0.85	44.9391	10.3	*	0.375	-14.781	1.00	44.9399	9.8	...	13.488	+4.041	-5	a	...
...	13.075	+43.206	-4	...	...	...	0.333	-36.121	-5	M	...	...	14.142	+37.853	-5	...	...
...	-12.479	-25.887	-4	...	...	†	-0.222	+21.650	-3	...	...	...	+14.435	+40.808	-4	...	...
...	12.237	-52.684	0.80	44.9392	10.4	*	+0.034	-57.670	1.20	44.9400	9.3	...	14.862	-49.180	-2	...	...
...	12.092	+14.359	-4	...	...	...	0.217	+57.226	-5	...	...	...	14.928	+40.930	0.75	43.8844	10.2
...	12.005	-26.612	-4	...	...	*	0.244	-2.738	4.40	44.9401	6.6	*	15.044	-42.313	1.20	44.9408	9.4
...	11.599	-59.857	-4	...	...	...	0.358	+14.769	-1	43.8835	10.4	...	15.540	+54.813	-5	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
361-420						421-480						481-538						
361	+16.036	-18.773	-5	...	...	421	+30.820	-53.623	-2	...	...	481	+43.345	-45.096	-4	...	...
...	16.355	-45.908	-3	...	...	...	31.094	+30.891	2.10	43.8857	8.7	...	43.579	+24.532	-1	43.8865	10.4
...	16.730	+29.715	-2	...	...	...	31.120	+15.748	-3	...	...	...	43.586	-58.098	-4	...	...
...	17.036	-46.491	-5	...	...	...	31.144	-35.932	-5	...	...	...	43.766	-33.238	-5	...	...
...	17.083	-37.975	-4	...	...	...	31.491	-42.333	-4	...	...	...	44.069	+39.425	0.80	43.8866	10.4
...	+17.144	-51.924	0.80	44.9409	10.2	...	+31.878	+25.846	-5	...	...	...	+44.137	-27.700	0.70	44.9424	10.4
...	17.413	+21.515	-5	...	...	...	31.906	-32.241	-5	...	...	...	44.414	-49.211	-4	...	...
...	18.091	+15.818	0.85	43.8845	10.2	...	32.319	-34.921	0.65	...	...	...	44.605	-26.057	-1	...	...
...	18.331	-45.616	-2	...	...	...	32.898	-28.007	-4	...	...	...	45.038	+38.187	0.80	43.8867	10.4
...	18.840	-41.709	-5	...	...	...	33.136	-36.649	-5	...	...	...	45.070	+6.614	-3	...	...
371	+19.393	-46.917	0.65	44.9410	10.4	431	+33.140	+15.146	4	...	...	491	+45.303	+48.964	-4	...	...
...	19.539	+29.264	0.90	43.8846	9.7	...	33.460	+30.068	1.25	43.8858	9.2	...	* 45.388	-53.249	1.00	44.9425	9.8	
†	19.783	+51.018	0.90	43.8847	9.8	...	33.540	-23.267	-3	...	...	...	45.796	+17.902	0.70	43.8868	10.3
...	19.836	-21.729	0.85	44.9411	10.3	...	* 33.841	+37.378	1.00	43.8859	9.8	...	46.081	+41.223	-4	...	...
...	19.880	+58.942	0.75	43.8848	10.4	...	33.846	+4.028	-4	...	...	...	46.198	+45.293	-3	...	...
...	+19.964	-4.839	-1	...	...	...	+33.905	-35.840	-5	...	...	...	+46.274	-44.237	-4	...	...
...	20.013	+21.230	-2	...	...	...	† 34.137	-10.079	-4	...	...	...	46.554	-54.664	-5	...	...
...	20.034	-40.831	-3	...	...	...	34.189	+48.957	-4	...	...	...	46.807	-5.895	-3	...	...
...	20.272	+39.915	-3	...	...	...	* 34.312	+4.233	1.05	43.8860	9.7	...	46.876	-6.184	0.70	44.9426	10.2
...	21.121	+12.110	-5	...	...	...	† 34.559	-49.962	0.70	44.9419	10.3	...	47.558	+43.549	-5	...	...
381	+21.137	-31.788	-5	...	...	441	+34.676	-57.528	-4	d	...	501	* [+47.560	-15.200	1.80	44.9427	8.9
...	21.570	-33.642	-5	...	...	...	35.137	-3.862	-5	...	...	...	47.584	-5.280	-4	...	...
...	21.668	-12.997	-5	...	...	...	35.438	+25.928	-4	...	...	...	47.631	-23.303	-4	...	...
*	21.911	-50.786	1.00	44.9412	9.8	...	35.559	-53.276	-3	...	...	...	47.722	-0.673	-2	...	...
...	22.020	-48.751	0.80	44.9413	10.4	...	35.607	-26.214	-4	...	...	...	47.799	-33.198	-4	...	...
...	+22.156	-20.478	-1	...	...	...	+35.810	+47.037	-5	...	...	...	+48.041	-26.332	-4	...	...
...	22.374	-43.418	-5	...	...	...	35.821	-12.634	-5	...	...	...	48.404	+39.213	-3	...	...
*	22.821	-4.867	0.95	44.9414	9.8	...	35.852	-49.175	-3	...	...	...	48.543	-33.785	-2	...	...
...	22.943	+24.617	-5	...	...	...	35.918	+14.909	-2	...	...	...	48.724	+36.749	-4	...	...
...	23.415	+8.983	-5	...	...	...	36.094	-15.902	-3	...	...	S*	49.423	+25.756	1.45	43.8869	8.9
391	+23.433	+23.227	1.00	43.8849	9.8	451	+36.118	+34.784	-5	511	...	+49.976	-35.790	0.70	44.9428	10.4
...	23.476	-53.125	-4	† 36.192	+44.775	-4	51.175	-45.456	0.80	44.9429	10.4
...	23.775	-8.054	-1	44.9415	10.3	...	36.330	+15.152	-5	51.322	+0.919	-4
S*	23.796	-16.454	1.80	44.9416	8.6	...	36.357	-31.508	-2	51.492	+41.010	0.70	43.8870	10.4
...	24.392	-37.066	-3	36.372	-25.268	-1	51.618	+13.483	0.70	43.8871	10.4
...	+24.627	-45.638	-3	+36.965	-18.587	-5	+51.655	-5.854	-4
...	24.671	+28.392	-4	37.590	+16.741	-5	51.733	-6.543	-5
...	25.576	+54.092	0.85	43.8850	10.3	...	37.890	-48.093	-3	52.500	+21.431	-2
...	25.696	+43.415	-5	37.939	+54.303	-5	53.143	+12.960	-5
...	25.753	-26.030	-3	37.975	-44.428	-1	44.9420	10.4	53.247	+2.266	-4
401	+26.228	+10.542	-5	461	+38.154	+59.256	-3	521	...	+53.724	-5.627	-3
...	* 26.612	+33.781	1.00	43.8851	9.8	...	38.187	-55.594	-5	53.790	-39.880	-5
...	26.840	-55.144	-5	38.195	+42.593	-4	54.351	+20.376	-1	43.8872	10.4
...	27.161	+25.171	0.90	43.8852	10.0	...	38.525	+38.703	-2	43.8861	10.4	54.722	+37.238	-5
...	27.287	-22.362	0.70	44.9417	10.3	...	38.543	+15.588	-3	55.045	-23.356	-5
...	+27.615	+44.591	-3	+38.746	-25.419	-2	S* 55.293	-17.374	2.10	44.9430	8.4
...	* 28.058	-57.913	1.00	44.9418	9.6	...	38.938	+54.655	-4	* 55.537	+38.804	1.10	43.8873	9.7
...	28.433	-43.417	-2	39.521	-24.302	0.70	44.9421	10.2	55.872	+2.236	0.75	43.8874	10.2
...	28.994	+37.661	-5	40.339	+18.837	0.90	43.8862	10.2	56.378	-16.811	0.65
...	29.213	+50.629	-3	...	...	...	41.097	+53.356	-4	...	...	S*	57.054	-53.296	1.70	44.9431	9.0
411	+29.240	+15.941	1.75	43.8853	8.8	471	+42.008	-31.706	0.90	44.9422	10.0	531	...	+58.081	+42.054	-3
S*	† 29.388	+34.736	0.90	43.8854	10.2	...	42.033	+6.831	-4	58.115	+4.691	-5
...	29.395	+28.530	-5	42.227	+51.599	0.95	43.8863	9.9	* 58.217	-41.016	1.15	44.9432	9.8
...	29.564	-13.160	-3	42.260	-23.614	-5	58.507	+1.046	0.65
...	† 29.789	+35.919	0.85	43.8855	9.9	...	42.335	+1.283	-5	58.660	+59.585	-4
...	+29.991	+34.433	-3	+42.570	-35.749	-5	+59.062	+29.644	-5
...	30.453	-47.567	-4	42.789	-16.062	0.70	44.9423	10.2	59.119	+0.112	-1
...	30.489	+24.731	-5	42.844	+34.634	0.75	43.8864	10.4	* 59.212	-21.822	1.10	44.9433	9.6
...	30.572	+38.860	0.70	43.250	+2.866	-5
...	30.626	+25.149	-5	43.279	+28.089	-4

441. Var.

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	-59°895	-15°385	2.40	44.9427	8.9	6I	-48°196	-23°951	5	...	...	12I	-37°103	+7°386	1	...	...
†	59°692	-54°865	3	...	...	*	48°049	-21°663	1.15	44.9433	9.6	...	37°015	-56°513	4	...	...
...	59°597	-23°483	2	...	...	...	47°955	-41°962	5	...	...	...	36°822	-49°609	3	...	...
...	59°467	+7°662	5	...	...	...	47°099	+16°908	5	...	...	...	36°548	-50°699	5	...	...
S*	59°273	+25°609	1.80	43.8869	8.9	...	46°892	+40°078	0.75	...	...	...	36°522	-52°410	4	...	...
...	-59°112	-33°372	4	...	...	...	-46°684	+44°295	5	...	...	...	-36°386	-43°418	5	...	...
...	59°081	-26°509	5	...	...	*	46°680	+42°329	1.05	43.8876	9.8	...	36°322	+4°604	4	...	...
...	58°956	-4°771	5	...	...	...	46°640	-33°464	5	...	...	*	36°245	-29°235	0.90	44.9441	10.4
...	58°898	-28°893	5	...	...	...	46°534	-44°699	4	...	...	...	36°150	+26°075	4	...	...
...	58°792	-5°023	5	...	...	...	46°381	+35°496	4	...	...	...	36°009	-26°127	5	...	...
II	...	...	...	...	...	7I	...	...	...	...	...	13I	...	...	...	...	...
...	-58°365	-33°931	0.80	...	...	...	-46°325	-24°544	5	...	...	...	-35°848	-20°008	5	...	...
...	58°191	-54°543	5	...	...	...	46°078	-23°756	4	...	...	*	34°668	+42°094	1.60	43.8881	9.2
...	57°671	+40°925	0.90	43.8870	10.4	...	46°047	+53°352	5	...	...	...	34°559	+36°605	5	...	...
...	56°850	-35°900	0.85	44.9428	10.4	...	45°874	-33°941	3	...	...	...	34°246	+8°540	4	...	...
...	56°700	-27°483	5	...	...	...	45°793	-3°913	0.75	44.9434	10.4	...	34°202	-7°422	4	...	...
*	-56°697	+13°405	0.90	43.8871	10.4	...	-45°532	-26°644	4	...	...	*	-34°078	+18°732	1.20	43.8882	9.8
...	56°630	+0°847	3	...	...	...	45°460	-10°284	5	...	...	...	33°983	-31°990	4	...	...
...	56°077	-5°929	3	...	...	...	45°416	+41°272	3	...	...	...	33°909	+45°316	5	...	...
...	56°066	+21°378	0.70	...	...	...	45°281	-25°083	5	...	...	...	33°797	+26°609	4	...	...
...	55°982	-6°598	4	...	...	...	45°183	-2°359	5	...	...	...	33°792	+23°607	2	...	...
2I	...	...	...	...	...	8I	...	...	...	...	...	14I	...	...	...	...	...
...	-55°978	-29°061	5	...	...	...	-45°151	+42°036	0.65	...	...	*	-33°252	-19°486	1.30	44.9442	9.8
*	55°358	-45°530	1.00	44.9429	10.4	*	44°740	+53°056	1.30	43.8877	9.6	...	33°133	+45°186	3	...	...
...	55°154	+12°924	4	...	...	...	43°912	+14°432	4	...	...	...	33°079	+45°574	3	...	...
...	55°118	+3°538	5	...	...	...	43°685	+30°735	5	...	...	...	32°985	+40°137	0.90	...	...
...	55°079	+12°176	4	...	...	...	43°678	-29°772	3	...	...	...	32°808	-13°717	3	...	...
...	-54°742	+2°250	4	...	...	*	-42°991	+55°729	1.20	43.8878	9.6	...	-32°872	-0°464	2	...	...
...	54°403	+7°391	5	...	...	...	42°771	+45°748	1	...	...	...	32°621	+7°736	4	...	...
...	54°332	+37°254	5	...	...	...	42°657	-22°721	5	...	...	...	32°522	+13°199	1.40	43.8883	9.6
...	54°191	+20°389	0.80	43.8872	10.4	*	42°358	-3°748	1.30	44.9437	9.6	...	32°438	-9°858	2	...	...
...	54°018	-5°631	0.65	...	...	...	42°356	-56°460	0.90	44.9435	10.4	...	32°371	+4°116	1.00	43.8884	10.0
3I	...	...	...	...	...	9I	...	...	...	...	...	15I	...	...	...	...	...
...	-53°560	-27°251	5	...	...	*	-42°237	-19°186	1.20	44.9436	9.8	...	-32°178	-15°536	4	...	...
*	53°543	+38°841	1.35	43.8873	9.7	...	42°212	+39°299	4	...	...	...	32°109	-46°660	4	...	...
...	53°522	-18°576	5	...	...	...	41°976	+52°016	5	...	...	...	32°051	-33°666	5	...	...
...	53°174	+22°026	5	...	...	...	41°935	-27°049	2	...	...	*	31°972	+13°054	1.00	43.8885	10.0
†	52°927	-39°882	4	...	...	...	41°710	+41°518	4	...	...	...	31°821	+33°899	2	...	...
...	-52°774	+28°876	4	...	...	...	-41°669	+8°268	0.65	...	...	...	-31°719	-31°348	4	...	...
...	52°737	-35°793	5	...	...	...	41°486	-23°974	4	...	...	†	31°549	+59°831	0.80	43.8887	10.4
...	52°625	+12°809	5	...	...	...	41°319	-2°184	3	...	...	...	31°468	-13°946	4	...	...
...	52°179	-23°309	5	...	...	...	41°257	+55°412	5	...	...	*	31°306	-54°446	1.40	44.9443	9.3
*	52°119	+2°297	0.90	43.8874	10.2	*	41°155	-23°409	1.10	44.9438	9.9	...	31°165	-3°449	2	...	...
4I	...	...	...	...	...	10I	...	...	...	...	...	16I	...	...	...	...	...
S*	-52°076	-17°330	2.40	44.9430	8.4	...	-41°015	+16°201	3	...	...	...	-31°151	-14°800	4	...	...
...	51°704	-35°039	5	...	...	...	40°708	-48°974	4	...	...	...	30°926	-31°248	0.85	44.9444	10.4
...	51°437	+45°254	5	...	...	...	40°505	+46°835	4	...	...	...	30°913	+13°819	4	...	...
...	51°403	-11°306	5	...	...	...	40°367	+50°954	2	...	...	...	30°878	+34°722	5	...	...
...	51°156	+55°072	5	...	...	...	39°816	-38°797	5	...	...	*	30°555	+33°769	1.00	43.8888	10.2
...	-51°121	+42°155	0.75	...	...	*	-39°762	-43°134	0.90	44.9439	10.0	...	-30°366	+0°849	4	...	...
...	51°052	+42°066	5	...	...	...	39°421	+48°849	4	...	...	...	30°320	-48°417	4	...	...
...	51°047	+59°701	0.70	...	...	...	39°320	-54°034	1	...	...	*	30°142	+38°807	1.00	43.8889	10.0
...	51°030	-16°732	0.80	...	...	...	38°752	+58°988	0.90	...	...	...	29°916	-20°383	3	...	...
...	49°945	+4°811	5	...	...	...	38°401	+58°964	4	...	...	...	29°880	+42°060	0.85	43.8890	10.2
5I	...	...	...	...	...	11I	...	...	...	...	...	17I	...	...	...	...	...
...	-49°737	+29°785	4	...	...	...	-38°401	+48°208	4	...	...	...	-29°706	-22°303	5	...	...
...	49°459	+1°188	0.75	...	...	...	38°337	+45°032	3	...	...	...	29°390	+49°754	5	...	...
S*	49°253	-53°173	1.90	44.9431	9.0	*	38°337	+2°849	1.10	43.8879	10.0	...	29°213	-58°518	0.70	...	...
...	49°151	+19°384	5	...	...	...	38°094	+51°220	4	...	...	...	29°196	+5°924	4	...	...
...	48°817	+0°266	0.65	...	...	*	37°966	+29°125	1.40	43.8880	9.2	...	29°091	+34°719	0.70	...	...
*	-48°787	+55°025	0.95	43.8875	10.2	...	-37°854	-13°039	5	...	...	...	-28°969	-42°746	2	...	...
...	48°606	+45°256	5	...	...	...	37°657	-38°413	2	...	...	...	28°680	-7°521	0.65	...	...
*	48°472	-40°879	1.25	44.9432	9.8	*	37°516	-4°204	1.00	44.9440	10.0	...	28°674	+39°205	5	...	...
...	48°462	-42°828	5	...	...	...	37°233	+29°664	4	...	...	...	28°424	-31°528	5	...	...
...	48°422	-4°701	5	...	...	...	37°217	+31°893	4	...	...	...	28°212	+33°203	5	...	...

ES measured from 1, 169, 321, 474.
MC " " 82, 249, 397, 565.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-27.813	+19.417	-5	...	...	241	-16.683	+28.773	-4	...	...	301	-3.700	-6.441	1.10	44.9458	9.9
...	27.721	-31.214	-4	...	...	...	16.514	-14.557	-3	...	...	...	3.675	+10.468	-1	43.8907	10.4
...	27.529	-26.943	-3	...	...	...	16.489	+50.207	-2	...	...	...	3.412	+15.045	-3	...	...
...	27.307	+5.769	-3	...	...	...	16.472	-5.650	-2	...	...	...	3.274	-25.864	0.90	44.9459	10.0
...	27.077	-35.286	-4	...	...	...	16.279	-1.292	-4	...	...	...	3.036	-48.920	0.80	44.9460	10.3
†	-27.040	-34.895	-4	...	...	...	-16.152	+10.803	0.65	...	...	...	-2.963	-27.277	-5	...	...
*	26.940	-20.069	1.35	44.9445	9.4	...	16.129	+13.898	-5	...	...	...	2.911	+32.583	-4	...	...
...	26.899	+0.567	-2	...	...	...	15.375	+42.091	-3	...	...	...	2.789	-2.801	-4	...	...
...	26.514	-42.822	-5	...	...	...	14.645	+44.952	1.00	43.8900	10.3	...	2.771	-52.518	-5	...	...
*	26.037	+3.988	0.95	43.8891	10.0	...	14.619	+23.666	-4	...	...	...	2.424	-42.005	0.65	...	...
191	-25.991	-32.873	0.85	44.9446	10.4	251	-14.349	+55.384	-4	...	...	311	-2.214	-50.247	1.20	44.9461	9.8
...	24.945	-3.344	-4	...	...	...	14.085	-47.662	-4	...	...	...	2.183	-19.411	2.00	44.9462	8.8
...	24.872	+51.905	-5	...	...	...	13.645	+46.389	0.95	43.8901	10.4	...	1.589	-3.464	-2	...	...
...	24.232	+46.520	-2	...	...	...	13.380	+7.793	-4	...	...	...	1.524	-42.893	-5	...	...
*	24.215	+8.494	1.40	43.8892	9.5	...	13.136	+2.822	-1	43.8902	10.4	...	1.504	-42.571	-4	...	...
...	-24.182	+52.848	0.65	...	...	...	-13.010	-55.325	-5	...	...	...	-1.262	+48.307	-2	...	...
...	24.047	-43.236	-5	...	...	...	12.835	-10.326	-1	44.9452	10.3	...	1.132	+39.124	-1	43.8908	10.4
...	24.042	+32.134	-5	...	...	...	12.736	-25.700	-5	...	...	S*	0.796	-22.699	2.10	44.9463	8.8
...	23.883	+29.696	1.10	43.8893	9.9	...	12.654	+46.585	-2	...	...	...	0.609	+9.054	-5	m	...
S*	23.880	+49.001	1.80	43.8894	9.8	...	12.590	+54.256	-4	...	...	...	-0.291	+23.802	-4	...	...
201	-23.573	-21.848	0.90	44.9447	10.0	261	-12.544	-40.302	-4	...	...	321	+0.108	+58.733	-5	...	...
...	23.170	-32.750	-4	...	...	...	12.354	+18.330	-5	...	...	...	0.202	+18.530	-5	...	...
...	22.989	+43.108	-4	...	...	...	12.321	-51.891	-5	...	...	*	0.600	-17.538	1.00	44.9464	10.2
...	22.971	-54.055	-3	...	...	...	12.263	-20.363	0.90	...	...	...	0.888	-57.267	-5	...	...
S*	22.718	-0.819	2.80	44.9448	8.2	...	12.198	+36.691	-5	...	...	...	0.993	+7.927	0.75	...	...
...	-22.621	-22.031	-5	...	...	...	-12.187	+58.100	-4	...	...	...	+1.017	-16.520	-4	...	...
...	22.461	+39.983	-5	...	...	...	11.662	-37.162	1.30	44.9453	9.6	...	1.079	-10.781	-3	...	...
...	22.242	-30.539	-5	...	...	...	11.636	-31.496	-3	...	...	...	1.355	+6.982	-1	...	...
...	22.076	+9.668	-5	...	...	...	11.304	-44.085	-5	...	...	...	1.411	+21.050	-4	...	...
...	22.049	+49.724	-5	...	...	...	10.854	+49.186	-4	...	...	...	1.605	-49.373	-3	...	...
211	-21.759	+51.182	-5	...	...	271	-10.821	-20.246	-5	...	...	331	+1.684	+50.470	0.90	43.8909	10.4
...	21.347	-38.067	0.90	44.9449	10.3	...	10.713	+45.310	-3	...	...	...	2.033	-57.104	-4	...	...
...	21.056	-32.958	-5	...	...	...	10.550	+55.204	-1	...	...	...	2.145	-3.100	1.20	44.9465	10.0
...	20.834	+2.467	-5	...	...	...	10.546	+30.958	-4	...	...	...	2.184	-31.393	-4	...	...
...	20.832	-4.372	0.70	44.9450	10.4	...	10.101	-2.190	1.70	44.9455	9.2	S*	2.315	+44.429	1.65	43.8910	9.0
...	-20.809	-2.862	-3	...	...	...	-10.014	-46.197	1.00	44.9454	10.4	...	+2.527	+51.847	-4	...	...
...	20.435	+42.618	-5	...	...	...	9.934	+19.373	-3	...	...	...	2.727	-38.645	0.70	...	...
†	20.150	-31.187	0.80	44.9451	10.3	...	9.825	+14.212	-3	...	...	...	2.772	+55.293	-5	...	...
†	20.052	+29.601	1.15	43.8895	9.6	...	9.641	-34.491	-4	...	...	...	2.935	-48.375	-4	...	...
...	19.927	-21.798	-3	...	...	...	9.354	+51.601	0.80	...	...	...	3.018	-27.199	0.75	...	...
221	-19.827	-45.254	-5	...	...	281	-9.255	-27.220	-1	...	...	341	+3.042	+27.020	0.70	...	...
...	19.807	-18.216	-1	...	...	...	9.060	-12.231	-5	...	...	...	3.078	-23.698	1.00	44.9466	9.9
...	19.600	-24.085	-5	...	...	...	8.975	+52.962	0.95	43.8903	10.3	...	3.335	+5.865	-1	...	...
...	19.534	+56.864	0.95	43.8896	10.4	*	8.951	-28.337	1.20	44.9456	10.0	...	3.729	+48.745	-1	...	...
...	19.349	+29.615	-5	...	...	...	8.530	+20.357	-2	...	...	...	4.096	+37.048	0.65	...	...
*	-19.308	+51.613	1.10	43.8897	9.7	...	-8.078	+57.005	-4	...	...	...	+4.357	-33.371	-3	...	...
...	18.419	-56.041	-5	...	...	...	7.993	-1.125	-5	...	...	...	4.722	-32.676	-4	...	...
...	18.328	-44.697	-4	...	...	...	7.949	-45.252	-4	...	...	...	5.154	-29.294	-5	...	...
...	18.193	+59.290	0.65	...	...	...	7.891	+53.101	-5	...	...	...	5.169	-34.156	-5	...	...
...	17.934	+15.148	0.65	...	...	...	7.651	-54.377	-3	...	...	...	5.334	-40.185	-5	...	...
231	-17.774	+39.913	-3	...	...	291	-7.579	+5.524	-4	...	...	351	+5.474	-35.640	-1	...	...
...	17.765	-39.110	-4	...	...	†	7.442	+29.906	-2	...	...	...	5.785	+29.304	-3	...	...
...	17.594	+51.991	-3	...	...	...	7.337	-35.449	-1	...	...	*	5.866	+55.756	2.00	43.8912	8.8
...	17.462	+53.268	-5	...	...	...	6.487	-58.358	1.00	45.9612	10.3	...	5.989	-27.815	-5	...	...
...	17.341	-33.702	-5	...	...	...	5.533	+34.532	-5	...	...	...	6.006	+0.743	-5	...	...
...	-17.095	+16.790	0.75	...	...	...	-4.806	+14.504	-1	43.8905	10.4	...	+6.046	-57.341	-4	...	...
...	16.901	+2.566	-5	...	...	...	4.342	-49.112	0.90	44.9457	10.3	...	6.145	-24.668	-1	...	...
...	16.837	+59.463	0.85	43.8899	10.4	...	4.169	+45.572	-4	...	...	...	6.690	-44.064	-5	...	...
S*	16.715	+14.226	1.20	43.8898	9.5	...	4.151	+38.767	-1	...	...	*	6.718	-24.810	1.80	44.9467	9.0
...	16.696	-18.366	-5	...	...	...	3.836	-55.006	-5	...	...	...	6.747	-46.327	-3	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-420						421-480						481-540					
361	+ 6'790	-36'913	- 5	...	...	421	+20'137	-33'075	0'75	44.9477	10'4	481	+30'855	+45'928	- 4	...	...
...	6'819	-40'578	0'85	44.9468	10'4	...	20'582	-30'908	- 5	...	...	...	30'895	+ 3'130	- 5	...	...
...	6'913	+23'072	- 4	...	...	...	20'607	- 1'300	- 1	44.9478	10'4	...	31'173	+49'986	0'70	...	...
...	7'589	-29'309	- 5	...	...	...	20'843	-52'924	- 4	...	...	...	31'436	+32'662	0'90	43.8920	10'4
*	8'014	+50'192	1'00	43.8913	9'9	...	21'004	+29'278	0'80	...	...	...	31'623	-42'312	- 5	...	...
...	+ 8'151	+48'418	- 3	...	...	...	+21'130	-12'938	- 5	...	...	...	+31'714	-42'548	0'65	...	...
...	8'255	-48'847	- 5	...	...	...	21'303	-22'112	- 1	44.9479	10'4	...	31'875	-40'989	- 4	...	...
...	8'298	- 3'655	- 5	...	...	S *	21'582	+ 1'486	2'10	44.9480	8'8	...	32'381	+39'348	- 5	...	...
...	8'459	+34'306	- 3	...	...	...	21'584	+30'683	- 5	...	...	...	32'498	+40'737	- 5	...	...
*	8'816	-54'002	0'85	44.9469	10'3	...	21'751	+ 7'463	- 2	...	...	...	32'530	+47'721	- 4	...	...
371	+ 9'006	+19'774	- 1	...	...	431	+21'871	+56'709	1'20	43.8915	9'7	491	+32'606	+40'097	- 5	...	...
...	9'011	+15'562	- 5	...	...	...	21'899	+26'810	0'80	...	...	...	33'263	+25'514	- 5	...	...
...	9'183	-43'080	- 5	...	...	...	21'902	- 8'703	- 4	...	...	...	33'277	+44'873	0'85	...	...
*	9'353	+34'355	1'70	43.8914	9'3	...	21'936	+10'858	- 5	...	...	...	33'461	+21'871	- 3	...	...
...	9'368	+52'173	- 5	...	...	...	21'958	+ 6'727	0'90	43.8916	10'4	...	33'846	+ 5'315	- 5	...	...
...	+ 9'404	+20'317	- 5	...	...	...	+22'059	-33'359	- 3	...	...	...	+33'959	+43'961	- 5	...	...
*	9'580	-59'614	0'90	45.9619	10'2	...	22'375	-26'630	0'75	44.9481	10'4	...	34'118	+52'051	- 3	...	...
...	9'657	-45'532	- 4	...	...	...	22'510	-58'875	- 1	45.9624	10'4	...	34'253	+52'880	0'85	...	...
...	9'769	+26'917	- 5	...	...	...	22'778	+24'466	- 5	...	...	...	34'269	-12'054	- 4	...	...
†	9'872	+27'630	- 5	...	...	...	23'273	-17'418	0'90	...	...	...	34'392	-53'739	0'75	...	...
381	+ 9'887	-28'268	- 5	...	...	441	+23'279	-57'128	0'90	44.9482	10'4	501	+34'542	+19'981	- 3	a	...
*	9'956	-30'379	1'35	44.9470	9'6	...	23'327	+23'753	0'85	...	...	...	34'629	+ 0'232	- 4	...	...
...	10'774	+ 1'700	- 5	...	...	...	23'544	-22'446	2'70	44.9483	8'1	*	34'831	-36'512	1'05	44.9490	10'0
...	10'831	+44'726	- 3	...	...	...	24'236	+31'247	- 5	...	...	...	35'050	+ 1'641	- 5	...	...
...	11'475	+49'087	0'65	...	...	...	24'571	-24'319	1'40	44.9484	9'2	...	35'251	+26'400	- 3	...	...
...	+11'587	-42'096	- 5	...	...	...	+24'628	-22'673	- 5	...	...	...	+35'345	+52'555	- 4	...	...
...	11'793	- 6'872	0'75	...	...	...	24'740	+41'516	- 4	...	...	...	35'479	-11'879	- 5	...	...
...	11'932	-16'311	0'85	44.9471	10'3	...	24'851	-22'499	- 1	44.9485	10'3	*	35'624	-12'467	1'20	44.9491	9'6
...	12'395	-46'577	0'90	44.9472	10'4	α *	25'048	- 0'106	1'10	44.9486	10'0	...	35'660	+55'716	- 5	...	...
...	12'739	+45'154	- 5	d	...	...	25'451	-45'080	- 5	...	...	...	35'662	-55'242	- 1	...	...
391	+12'794	+53'518	- 5	...	...	451	+25'759	+31'596	- 4	...	...	511	+36'218	-54'322	- 4	...	...
...	13'412	-51'353	- 5	...	...	...	25'979	+26'309	- 2	...	...	...	36'449	- 1'721	- 3	...	...
...	13'612	+ 7'503	- 5	...	...	...	26'030	+14'724	- 4	...	...	...	36'577	-51'535	- 5	...	...
†	13'935	-59'789	- 5	...	...	...	26'420	-39'939	- 3	...	...	*	36'669	+36'114	0'95	43.8921	10'4
...	14'627	+52'705	0'80	...	...	...	26'712	+ 1'344	- 5	...	...	...	36'791	+10'441	- 1	...	...
...	+14'689	-52'669	- 5	...	...	...	+26'815	+54'138	- 4	...	...	...	+36'854	+ 3'342	- 5	...	...
‡	14'861	- 9'000	2'00	44.9473	9'0	...	26'859	+45'435	1'00	43.8917	10'0	...	36'919	+51'554	- 3	...	...
...	15'189	-37'503	- 4	...	...	...	27'066	- 9'796	1'20	44.9487	9'8	*	37'056	+40'969	1'10	43.8922	9'8
...	15'278	-27'414	- 5	...	...	...	27'114	- 6'167	1'20	44.9488	9'9	...	37'241	+51'379	- 5	...	...
...	15'296	+12'568	- 3	...	...	...	27'281	-21'937	1'40	44.9489	9'4	...	37'456	+ 6'566	- 2	...	...
401	+15'446	+56'591	- 1	...	...	461	+27'572	+50'656	1'00	43.8918	10'0	521	+37'707	+11'534	0'65	...	...
...	15'470	+49'933	- 4	...	...	...	27'602	-51'332	0'90	...	...	...	37'752	+52'343	- 5	...	...
...	15'597	+56'057	- 4	...	...	...	27'609	+50'503	- 3	...	...	...	37'780	-57'139	- 5	...	...
...	15'604	-28'138	- 4	...	...	...	27'869	-36'030	- 5	...	...	...	37'887	- 8'489	- 2	...	...
...	15'669	+57'969	- 1	...	...	...	27'947	-17'765	- 1	...	...	*	37'904	+33'638	1'25	43.8923	9'5
...	+15'949	+26'368	- 4	...	...	...	+28'023	+ 1'742	- 4	...	...	...	+38'158	+33'586	- 3	...	...
...	16'174	-54'546	- 5	...	...	...	28'605	+41'322	1'00	43.8919	10'4	...	38'312	+21'028	- 5	a	...
...	16'619	+12'040	- 5	...	...	...	28'774	-31'116	0'75	...	...	...	38'464	-25'979	- 5	...	...
...	16'748	+43'281	- 4	...	...	...	28'839	+32'741	- 5	...	...	...	38'502	-28'506	0'80	44.9492	10'4
...	15'830	+23'545	- 3	...	...	...	29'114	-46'345	- 5	...	...	...	38'557	- 7'477	- 5	...	...
411	+17'140	+54'057	- 5	...	...	471	+29'268	-25'115	- 4	...	...	531	+38'733	-27'095	- 1	...	...
...	17'398	+14'567	- 4	...	...	...	29'561	+ 8'882	- 3	...	...	...	39'003	+36'224	- 5	...	...
*	17'462	-44'613	0'95	44.9474	10'2	†	29'731	-23'044	- 5	...	...	...	39'053	+11'736	- 5	...	...
...	17'475	-26'346	- 3	...	...	...	29'919	+10'940	- 4	...	...	...	39'116	+16'478	0'65	...	...
S *	17'576	-37'091	2'00	44.9475	8'8	...	30'278	-55'230	- 5	...	...	...	39'132	+28'410	- 1	...	...
...	+17'644	+10'747	- 3	...	...	...	+30'292	+55'082	- 4	...	...	...	+39'405	+29'088	- 5	...	...
...	18'040	+10'812	- 4	...	...	...	30'418	+22'078	- 3	...	...	...	39'679	+16'274	- 2	...	...
...	18'278	-11'326	- 2	44.9476	10'4	...	30'629	+ 3'441	- 5	...	...	...	40'616	+ 2'605	- 5	...	...
...	18'350	+22'279	- 4	...	...	...	30'699	+ 6'578	- 5	...	...	...	40'683	+18'696	- 5	...	...
...	19'232	-51'726	- 5	...	...	...	30'719	+22'874	- 5	...	...	...	40'880	-23'908	- 4	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-580						581-620						621-646					
54I	+41'122	+37'011	-5	...	...	58I	+47'472	-33'659	0·95	...	...	62I	+56'388	+43'912	-4	...	...
...	41'658	-42'679	1·10	44·9493	9·8	...	47'908	+2'424	0·90	...	...	...	56'413	-16'110	0·85	...	...
*	41'862	-44'613	-5	...	...	...	48'252	-22'992	-3	...	...	...	56'524	+0'488	-5	...	...
...	41'995	-56'589	-5	...	...	*	48'351	-23'037	0·95	44·9497	10·0	...	56'583	-26'298	1·00	44·9504	10·4
...	42'040	+9'279	-1	...	...	...	48'484	-21'174	-4	...	...	*	56'844	-13'424	1·00	44·9505	10·4
...	+42'086	+38'760	-5	...	...	...	+48'631	-27'189	-3	...	...	...	+56'979	+43'894	-4	...	...
...	42'102	-23'533	-5	...	...	...	49'163	-57'193	-4	...	...	...	57'058	-55'384	-4	...	...
...	42'104	+46'757	-5	...	...	...	49'496	+21'792	-4	...	...	†	57'224	+19'864	-5	...	...
...	42'122	+32'262	-5	...	...	†	49'759	-44'211	1·20	44·9498	9·6	...	57'242	+47'347	0·95	...	...
...	42'200	-40'382	-5	...	...	...	50'135	-51'973	-4	...	...	...	57'260	+49'958	-3	...	...
55I	+42'243	+32'241	-5	...	...	59I	+50'349	-31'093	-4	...	...	63I	+57'282	+25'541	-2	...	...
...	42'566	-35'317	-5	...	...	...	50'372	+0'882	-5	...	...	*	57'572	-41'069	1·00	44·9506	10·3
...	42'746	-51'806	0·70	...	...	...	50'455	-29'687	-4	...	...	...	57'754	+16'410	-3	...	...
†	43'108	+29'921	-5	...	...	...	50'533	+46'791	-5	...	...	...	57'789	-36'288	-5	...	...
...	43'376	+46'725	0·65	...	...	†	50'790	+34'945	1·10	43·8927	9·6	...	57'826	-4'783	-4	...	...
...	+43'386	-26'128	0·70	...	...	*	+51'091	+1'363	1·20	44·9499	9·7	...	+58'093	+31'628	-4	...	...
†	43'579	-49'862	-5	...	...	...	51'179	+3'753	-5	e	...	*	58'396	+9'353	1·10	43·8931	10·0
*	43'620	+45'727	1·10	43·8924	10·0	...	51'191	-53'003	-5	...	...	*	58'596	-15'814	0·90	...	...
...	43'647	+21'087	-2	...	...	*	51'249	-36'314	1·20	44·9500	9·9	...	58'723	+53'726	-5	...	...
...	44'104	+48'760	-5	...	...	...	51'311	-54'616	-1	...	...	...	59'043	+21'009	-4	...	...
56I	+44'202	-50'285	-5	...	...	60I	+51'499	+24'739	0·85	...	...	64I	+59'048	-20'054	-5	...	...
...	44'371	+24'984	-5	...	...	...	51'524	+15'475	-4	...	...	...	59'086	+53'163	-4	...	...
*	44'468	-25'458	0·85	44·9494	10·3	*	51'867	+49'288	1·20	43·8928	10·4	...	59'108	+37'655	-4	...	...
†	44'642	+39'795	1·00	43·8925	10·0	...	52'102	+15'986	-4	...	...	...	59'390	-20'088	0·90	...	...
...	44'789	-10'806	-5	...	...	*	52'256	-23'455	0·95	44·9501	10·4	...	59'546	-3'527	-4	...	...
...	+45'679	+31'777	-5	b	...	S*	+52'402	-48'232	1·30	44·9503	9·5	...	+59'613	+22'398	-2	...	...
...	45'906	-11'716	-4	...	...	S*	52'813	-5'683	1·30	44·9502	9·5	...	...	...	...	...	...
...	46'057	+33'576	-4	...	...	...	52'890	-38'768	-5	...	...	...	...	...	...	...	...
...	46'368	-55'435	-4	...	...	...	52'891	-1'424	-5	...	...	...	...	...	...	...	...
...	46'408	+4'327	-3	...	...	...	53'110	+17'061	-4	...	...	...	...	...	...	...	...
57I	+46'686	+8'702	-4	...	...	61I	+53'187	+36'099	0·95	43·8929	10·4	...	...	...	...	...	...
...	46'702	+25'055	-4	...	...	...	53'361	-13'473	-1	...	...	...	...	...	...	...	...
...	46'732	+38'603	-1	...	...	...	53'563	+5'496	-4	...	...	...	...	...	...	...	...
...	46'839	+6'651	-5	...	...	...	53'634	-27'160	-5	...	...	...	...	...	...	...	...
*	46'912	-38'420	1·20	44·9495	10·0	...	54'589	-30'209	-5	...	...	...	...	...	...	...	...
*	+46'944	-46'351	1·20	44·9496	9·8	...	+55'490	-29'604	-5	...	...	...	...	...	...	...	...
...	46'995	-58'864	-4	...	...	...	55'738	-51'591	-5	...	...	...	...	...	...	...	...
...	47'074	+49'678	-3	...	...	...	55'983	-0'701	-5	α	...	...	...	...	...	...	...
S*	47'226	+20'626	1·30	43·8926	9·2	...	56'302	-18'535	-5	...	...	...	...	...	...	...	...
...	47'388	+53'564	-2	...	...	...	56'312	+30'220	-4	...	...	...	...	...	...	...	...

1-10						11-20						21-30					
I	x.	y.	Diam.	No.	Mag.	II	x.	y.	Diam.	No.	Mag.	2I	x.	y.	Diam.	No.	Mag.
†	-60'087	+2'242	-1	...	...	...	-58'805	-21'325	-4	...	...	...	-56'849	+3'662	-5	E	...
...	59'872	-55'644	-4	...	...	...	58'481	-27'340	-3	...	...	*	56'836	-44'338	1·10	44·9498	9·6
*	59'842	-38'617	1·10	44·9495	10·0	...	58'438	-8'416	-5	...	...	...	56'642	-31'196	-3	...	...
*	59'563	-46'556	1·00	44·9496	9·8	*	58'189	+34'811	1·20	43·8927	9·6	...	56'568	-29'803	-4	...	...
...	59'431	-33'841	0·85	...	...	...	57'571	+0'756	-5	...	...	...	56'298	+15'919	-4	...	...
...	-59'139	-59'044	-4	...	...	*	-57'562	+49'190	1·00	43·8928	10·4	...	-56'202	-52'076	-3	...	...
...	59'104	+21'640	-4	...	...	...	57'165	+24'648	0·80	...	...	...	55'830	-36'048	0·90	43·8929	10·4
...	58'986	-23'153	-3	...	...	...	57'031	-57'317	-4	...	...	...	55'591	-22'228	-5	...	...
*	58'873	-23'197	0·90	44·9497	10·0	*	56'887	+1'272	1·00	44·9499	9·7	*	55'571	-36'381	1·20	44·9500	9·9
...	58'825	+46'652	-5	...	...	...	56'880	+15'386	-4	...	...	...	55'390	+50'987	-5	...	...

MC measured from 1, 196, 307, 505.
ES " " 101, 278, 417, 588.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
3I	-55°330	+17°018	-4	...	...	9I	-46°360	+14°419	-3	...	...	15I	-38°601	+10°308	-3	...	...
...	55°009	-1°456	-4	...	...	...	46°304	+11°036	0.80	...	...	...	38°569	+18°457	-5	M	...
*	54°968	-23°489	0.90	44.9501	10.4	...	45°849	+1°747	0.85	...	...	...	38°438	+7°074	-5	...	...
...	54°965	-54°682	0.85	...	...	...	45°833	+26°189	-5	...	...	*	38°437	+34°736	0.80	...	...
S*	54°942	-5°712	1.00	44.9502	9.5	...	45°699	+56°771	-2	...	...	†	38°300	+34°871	0.90	43.8939	9.6
...	-54°539	+5°488	-4	...	...	...	-45°569	+0°971	-5	...	...	...	-38°264	-36°004	-4	...	...
...	54°315	+56°284	-5	...	...	...	45°520	-19°734	0.75	...	...	...	38°183	-28°113	0.70	...	...
...	54°243	+28°139	-4	...	...	...	45°494	-8°404	-5	...	...	*	37°998	+35°336	2.10	43.8940	8.6
...	54°157	-13°482	0.75	...	...	†	45°446	-49°824	1.00	44.9507	9.8	...	37°924	-0°450	-5	M	...
...	54°064	-14°613	-4	...	...	†	45°389	+12°128	-4	...	...	...	37°828	+35°610	-5	...	...
4I	...	...	...	...	...	10I	...	...	...	...	...	16I	...	...	...	...	...
S*	-54°051	-48°264	1.15	44.9503	9.5	...	-45°018	+9°771	0.80	...	...	...	-37°693	-26°236	-1	...	...
...	53°853	-38°784	-5	...	...	*	44°988	+13°676	1.80	43.8933	8.8	...	37°691	-0°307	-5	M	...
...	53°460	-27°162	-4	...	...	*	44°883	+28°930	1.20	43.8934	9.4	...	37°545	+13°898	-2	...	...
...	52°880	+43°960	-4	...	...	...	44°767	+2°740	-5	M	...	...	37°438	+39°985	-5	...	...
...	52°538	+30°268	-3	...	...	...	44°758	+8°571	-5	...	...	...	37°342	-15°183	-5	...	...
...	-52°417	-30°174	-4	...	...	...	-44°505	+32°221	-1	...	...	*	-37°277	+40°544	0.85	...	...
...	52°319	-8°292	-5	...	...	...	44°393	+43°937	0.70	...	...	...	37°150	-17°802	-5	...	...
...	52°292	+43°962	-4	...	...	...	44°247	-18°699	-5	...	...	...	36°977	-56°370	-5	...	...
...	52°192	+50°030	-2	...	...	...	44°170	-0°804	-4	...	...	S*	36°937	+8°065	1.60	43.8941	8.9
...	52°138	+47°418	0.90	...	...	...	44°025	-26°332	-5	...	...	...	36°608	-1°567	-5	...	...
5I	...	...	...	...	...	11I	...	...	...	...	...	17I	...	...	...	...	...
...	-51°995	-8°311	-5	...	...	...	-43°930	-23°655	-5	...	...	...	-36°607	+57°258	-5	...	...
...	51°927	-0°642	-5	M	...	...	43°925	+27°785	-4	...	...	...	36°418	-1°767	-4	...	...
...	51°530	-29°551	-4	...	...	...	43°805	+27°532	-5	...	...	...	36°023	-33°415	-3	...	...
...	51°422	+0°552	-4	...	...	...	43°539	-6°678	-3	...	...	...	35°990	+5°794	-3	...	...
...	51°419	+25°614	-2	...	...	*	43°488	-17°672	1.20	44.9508	9.6	...	35°525	-5°088	-3	...	...
...	-51°265	+57°017	-5	...	...	...	-43°196	-19°728	-4	...	...	...	-35°478	-57°709	0.80	...	...
...	51°058	-18°437	-5	...	...	...	43°152	+5°146	-5	M	...	*	34°777	+33°016	2.00	43.8942	9.0
...	51°030	-16°073	0.80	...	...	...	43°059	+27°188	-3	...	...	...	34°528	+17°207	-5	...	...
...	50°835	+53°821	-5	...	...	...	43°005	-33°181	-1	...	...	...	34°368	-15°344	0.70	44.9512	10.4
...	50°798	+31°732	-3	...	...	...	42°990	+13°236	-5	...	...	...	34°217	+30°554	-5	M	...
6I	...	...	...	...	...	12I	...	...	...	...	...	18I	...	...	...	...	...
...	-50°685	+16°517	-3	...	...	...	-42°969	-37°055	-2	...	...	...	-33°646	-45°716	-5	...	...
*	50°685	-13°331	0.90	44.9505	10.4	...	42°962	+41°972	0.80	...	...	...	33°225	-28°713	-5	...	...
*	50°541	-26°192	0.85	44.9504	10.4	...	42°678	+54°732	-1	...	...	...	33°059	-9°801	-3	...	...
...	50°464	+53°286	-4	...	...	...	42°498	+44°531	-5	...	...	...	32°937	-56°923	-3	...	...
...	50°327	+15°648	-5	M	...	...	42°461	-47°208	-5	...	...	...	32°649	+22°024	-5	...	...
...	-49°968	-4°664	-4	...	...	...	-41°975	+15°823	-5	...	...	...	-32°624	+55°696	-5	...	...
*	49°831	+9°943	0.95	43.8931	10.0	...	41°682	+58°806	0.90	43.8935	10.4	...	32°505	+39°229	-5	M	...
...	49°701	-24°818	-5	...	...	*	41°256	-43°826	1.20	44.9509	9.5	...	32°432	+56°364	-5	M	...
...	49°699	+11°267	-5	...	...	...	41°180	+44°750	-2	...	...	...	32°424	+9°532	-1	...	...
...	49°599	+55°903	-3	...	...	...	41°001	-27°855	-3	...	...	S*	31°582	-32°660	1.60	44.9513	9.2
7I	...	...	...	...	...	13I	...	...	...	...	...	19I	...	...	...	...	...
...	-49°521	+21°160	-4	...	...	...	-40°961	+10°052	-5	...	...	...	-31°294	-28°779	-4	...	...
...	49°198	-55°258	-4	...	...	...	40°925	-37°485	0.70	...	...	...	31°240	-20°937	0.65	...	...
*	49°114	-40°942	1.00	44.9506	10.3	S*	40°861	+50°632	1.90	43.8936	8.8	...	31°028	+8°520	-5	M	...
...	49°045	-36°150	-5	...	...	...	40°593	-21°822	-4	...	...	...	30°813	-23°656	-5	...	...
...	48°994	+22°555	0.75	...	...	...	40°592	+36°812	-5	...	...	...	30°521	-56°372	-5	...	...
*	-48°855	-15°662	0.85	...	...	...	-40°549	-33°140	-5	...	...	...	-29°923	-14°484	-4	...	...
...	48°597	+37°594	-5	M	...	*	40°501	+18°071	1.00	43.8937	9.9	...	29°704	+39°139	-4	...	...
...	48°558	+39°190	-2	...	...	*	40°371	-22°324	1.20	44.9510	9.7	...	29°694	+58°877	-2	...	...
...	48°468	-49°573	-5	...	...	...	40°094	-13°306	-5	...	...	...	29°675	-8°499	-5	...	...
...	48°293	-19°889	-5	...	...	...	39°808	+6°269	-5	...	...	...	29°653	+18°494	-5	...	...
8I	...	...	...	...	...	14I	...	...	...	...	...	20I	...	...	...	...	...
...	-48°277	-3°347	-4	...	...	...	-39°775	+49°455	-5	M	...	...	-29°501	+36°762	-5	M	...
...	48°090	+33°108	-4	...	...	*	39°688	-6°051	0.90	44.9511	10.3	...	29°450	-12°492	-5	...	...
...	47°941	-19°896	-1	...	...	...	39°504	-15°675	-3	...	...	†	29°403	-24°998	-3	...	...
...	47°816	-5°138	-3	...	...	...	39°272	-48°890	-1	...	...	*	29°346	+56°373	1.00	43.8943	10.4
*	47°811	+14°307	1.20	43.8932	9.6	...	39°221	+0°183	-3	...	...	...	29°306	-59°770	-4	...	...
...	-47°408	-48°686	-5	...	...	...	-38°964	-3°972	-4	...	...	...	-29°149	+20°376	-3	...	...
...	47°395	-16°550	-3	...	...	...	38°935	-24°108	-5	...	...	...	29°106	+38°222	0.85	...	...
...	47°278	-18°063	-3	...	...	*	38°888	+45°408	0.90	43.8938	10.4	...	29°058	+41°660	-4	...	...
...	47°015	+29°432	0.65	...	...	...	38°810	-49°767	0.70	...	...	...	28°740	+55°133	-5	...	...
...	46°549	+56°156	-2	...	...	...	38°791	-24°705	-3	...	...	...	28°463	-56°092	-5	...	...

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-28'356	-28'171	-5	...	...	271	-16'685	+14'411	-4	...	...	331	-6'523	+54'221	-3	...	...
...	28'180	-54'545	-4	...	...	...	16'578	+22'483	-3	...	...	...	6'443	-25'858	-5	...	...
...	27'971	-55'395	-1	...	...	...	16'480	-38'591	1'30	44.9522	9'3	...	5'910	+43'532	-5	M	...
...	27'709	-11'037	-4	...	...	...	16'317	+46'825	-5	...	...	...	5'871	+48'218	-5	...	...
*	27'655	-57'820	1'00	45.9651	9'8	...	16'237	-1'664	-5	...	...	...	5'871	-15'728	-1	...	...
...	-27'455	-2'847	-5	...	...	...	-15'980	-17'918	-5	...	...	...	-5'721	-34'461	-5	m	...
...	27'087	-0'329	-4	...	...	...	15'820	+54'161	0'80	...	...	...	5'576	+42'038	0'65	...	...
...	27'075	+29'534	0'65	...	...	...	15'197	-42'354	-5	...	...	...	5'478	-8'366	1'05	44.9526	10'0
...	26'895	-26'882	-4	...	...	...	14'978	-40'392	0'95	44.9523	10'2	...	4'770	-50'058	-5	m	...
*	26'803	+57'773	0'95	43.8945	10'3	...	14'867	-38'535	-5	...	...	...	4'737	-48'358	-3	...	...
221	-25'996	+49'712	0'75	...	...	281	-14'595	+25'466	1'40	43.8951	9'5	341	-4'737	+44'185	1'30	43.8959	9'4
...	25'922	-59'237	-3	...	...	...	14'396	-51'475	-3	...	...	...	4'510	-40'689	0'90	44.9527	10'4
...	25'881	+14'174	-3	...	...	...	14'243	-52'246	-5	...	...	...	4'458	-31'013	-5	m	...
...	25'455	+18'095	-2	...	...	...	14'216	-12'589	-2	...	...	S *	4'364	-54'301	1'80	44.9528	8'8
...	25'351	-58'738	-5	...	...	...	14'071	-7'096	-5	...	...	...	4'274	+42'869	-1	...	...
...	-25'251	+59'404	-2	...	...	...	-13'826	-44'830	-4	...	...	...	-4'083	-57'041	-4	...	...
...	25'014	-47'979	-3	...	...	...	13'781	+24'307	0'90	43.8952	10'0	...	3'935	+8'759	0'80	...	...
...	24'832	+16'611	-4	...	...	...	13'670	+54'187	-5	...	...	...	3'882	+2'369	-5	M m	...
...	24'679	+22'098	-4	...	...	...	13'260	-39'531	-3	...	...	...	3'768	-43'884	-5	m	...
...	24'678	+14'546	-5	...	...	...	13'185	+51'361	-5	...	...	...	3'484	-57'905	-5	m	...
231	-24'365	+37'336	-4	A	...	291	-13'162	+40'781	-5	...	...	351	-3'374	+28'039	-2	...	...
...	24'154	+39'541	0'90	43.8946	10'3	...	12'748	-31'601	-5	...	...	...	2'994	-26'473	-5	m	...
...	24'008	-30'488	-4	...	...	...	12'532	-16'520	-2	...	...	...	2'707	+1'383	-2	...	...
...	23'781	+53'008	-5	M	...	...	12'426	+32'980	-5	...	...	...	2'704	-39'331	1'00	44.9529	10'0
...	23'499	-27'685	0'90	44.9514	10'0	...	11'804	+50'515	0'85	43.8953	10'4	...	2'688	-12'667	-1	...	...
...	-23'249	+57'435	-4	...	...	...	-11'456	-8'908	-4	...	...	...	-2'613	-48'872	-3	...	...
...	23'128	+51'604	-4	...	...	...	11'296	+36'006	0'90	43.8954	10'3	...	2'336	-52'621	-5	m	...
...	22'884	+34'669	-2	...	...	...	11'193	+39'783	-3	...	...	...	2'257	+36'908	-5	M m	...
...	22'842	+57'184	-5	...	...	...	11'183	+46'156	-3	...	...	...	2'254	+0'467	0'65	α m	...
...	22'793	+44'917	1'40	43.8947	9'2	...	11'135	-36'644	0'75	...	...	...	1'880	+24'317	1'40	43.8960	9'3
241	-22'735	-29'756	-4	...	...	301	-10'851	+29'613	-2	...	...	361	-1'689	+2'009	0'65	...	...
...	22'298	+39'141	-5	...	...	...	10'800	-50'157	-4	...	...	...	1'687	+44'694	-5	M m	...
...	22'240	-8'320	-4	...	...	...	10'581	-26'724	-2	...	...	...	1'653	+9'426	-1	...	...
*	22'184	-33'251	0'95	44.9515	10'3	...	10'523	+37'144	-5	...	...	...	0'953	-38'515	-5	m	...
...	22'069	+48'783	-5	M	...	...	10'292	+9'024	-5	...	...	...	0'453	-47'933	-5	m	...
...	-21'927	+31'602	-5	...	...	...	-9'838	+47'739	-5	...	...	...	-0'428	-36'388	-5	m	...
...	21'782	+55'454	-4	...	...	...	9'714	+22'192	0'80	...	...	...	-0'123	+26'524	-5	M m	...
...	21'765	+46'597	0'65	...	...	...	9'581	+2'429	0'95	43.8955	10'2	...	+0'379	+10'742	-2	...	...
*	21'653	-51'122	0'95	44.9516	10'3	...	9'337	-36'921	0'70	...	...	...	0'418	-46'898	-3	...	...
...	21'534	-24'885	1'10	44.9517	9'6	...	9'182	+34'556	-3	...	...	...	0'441	+16'327	-4	...	...
251	-21'253	+9'115	-3	...	...	311	-9'177	-19'261	0'95	44.9524	10'0	371	+1'075	+26'637	-1	...	...
...	20'749	-59'239	-5	...	...	...	9'125	+44'059	0'65	...	...	...	1'131	-27'814	-4	...	...
...	20'669	+47'148	-4	...	...	...	9'002	+59'044	-3	...	...	...	1'145	-57'521	-1	...	...
...	20'603	-23'207	-5	...	...	...	8'932	-25'058	-2	...	...	...	1'644	+40'095	-1	...	...
...	20'558	+30'981	-5	...	...	...	8'827	-39'649	0'65	...	...	...	1'727	+22'282	-4	...	...
...	-20'010	+11'655	-5	...	...	...	-8'570	+27'109	0'70	...	...	...	+2'565	+49'699	-4	...	...
*	19'984	-29'724	1'20	44.9518	9'6	...	8'458	-36'430	-5	...	...	...	2'818	-32'916	-5	...	...
†	19'652	+19'879	-1	43.8948	10'4	...	8'396	-53'027	-5	...	...	...	3'263	+30'488	-4	M	...
*	19'308	-49'423	1'50	44.9519	9'2	...	8'368	+37'612	-3	...	...	...	4'172	-11'904	1'10	44.9530	9'8
...	19'194	+35'708	-3	...	...	...	8'313	+6'585	-5	...	...	...	4'841	+34'367	-3	...	...
261	-19'080	+21'547	-5	...	...	321	-8'257	-0'345	-5	...	...	381	+5'067	+46'581	-4	M a	...
...	19'056	+25'006	-1	...	...	...	8'243	+20'077	-4	...	...	...	5'226	+53'759	-4	m	...
...	18'166	+45'612	-3	...	...	...	8'136	+56'148	-3	...	...	...	6'022	-51'708	-2	...	...
...	17'902	+47'540	-4	...	...	...	7'638	+34'386	0'75	43.8956	10'3	*	6'025	-10'850	1'20	44.9531	9'5
...	17'880	-15'888	-5	...	...	...	7'499	-15'981	0'95	44.9525	10'3	...	6'060	+19'765	-4	...	...
...	-17'732	+20'585	0'90	43.8949	10'4	S *	-7'428	+26'156	1'60	43.8957	9'0	...	+6'198	-17'944	-3	...	...
*	17'609	-16'118	1'00	44.9520	10'0	...	6'923	-37'154	-5	...	...	...	6'438	-4'190	0'95	44.9532	10'4
*	17'180	+9'140	1'20	43.8950	9'6	...	6'872	+25'637	-5	...	...	...	6'503	+9'564	-4	...	...
...	16'938	-15'933	-1	44.9521	10'3	...	6'565	+54'060	-1	...	...	...	6'840	+33'264	1'00	43.8963	10'0
...	16'874	+13'398	-1	...	...	...	6'555	+43'614	0'75	43.8958	10'4	...	6'899	+19'510	-1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
39I	+ 7.057	+52.503	- 2	...	...	45I	+20.337	+52.942	- 4	...	...	51I	+30.590	-41.829	1.10	44.9544	9.9
...	7.378	-47.299	1.50	44.9533	9.2	...	20.417	+34.973	- 4	...	...	...	30.703	-58.543	- 3	...	...
...	7.590	-15.402	- 3	...	...	...	20.449	-46.662	- 1	...	...	...	30.769	+46.007	- 4	...	...
...	8.162	+ 7.902	- 4	...	...	...	20.581	-15.262	- 2	...	...	...	30.822	+56.216	- 3	...	...
...	8.166	+39.793	- 5	m	...	n	20.923	- 5.607	0.95	44.9542	10.0	...	30.879	+35.720	- 2	...	...
...	8.447	+ 0.776	1.00	44.9534	9.8	n [	+21.016	- 5.691	0.65	...	...	...	+30.952	+36.818	0.90	...	...
...	9.280	+15.525	- 1	...	...	...	20.979	-37.329	0.65	...	...	...	31.125	+21.860	- 3	...	...
...	9.439	+53.304	0.95	...	...	...	21.115	-15.931	0.75	...	...	...	31.129	+ 8.209	- 3	...	...
...	9.845	-16.314	- 5	m	...	...	21.242	+44.779	1.20	43.8967	9.8	...	31.374	-27.120	- 5	m	...
40I	+10.336	-18.353	- 5	m	...	46I	+21.470	+56.442	- 4	...	...	52I	+31.504	+ 7.942	- 3	...	...
...	10.461	-56.829	- 3	...	...	...	21.864	+31.547	- 5	...	...	...	31.645	+59.207	- 4	...	...
...	11.123	-47.813	1.10	44.9535	9.6	...	21.864	-53.333	- 5	m	...	...	* 31.672	+ 6.728	1.20	43.8972	10.1
...	11.205	+45.032	- 4	...	...	...	21.906	+14.689	0.90	...	...	...	32.237	+40.514	- 5	...	...
...	11.347	+ 9.286	- 4	...	...	...	22.266	-36.102	- 5	m	...	...	32.440	-23.057	- 4	...	...
...	+11.359	+34.523	- 2	...	...	...	+22.458	-18.169	- 5	m	...	...	+32.442	-40.027	- 4	m	...
...	11.391	+36.280	- 2	...	...	...	22.469	+54.338	0.65	...	...	...	32.714	- 8.197	- 4	...	...
...	12.113	-54.914	- 4	...	...	...	22.503	+54.560	- 5	m	...	...	32.833	+27.588	- 4	...	...
...	12.239	-34.268	- 5	...	...	...	22.568	-10.281	- 5	m	...	...	32.836	+22.202	- 4	...	...
...	12.982	-33.494	0.95	44.9536	10.4	...	22.995	+47.349	- 5	m	...	...	33.203	+44.156	0.80	...	...
41I	+13.152	+13.202	- 3	...	...	47I	+23.002	+56.717	- 5	...	...	53I	+33.259	-57.085	- 4	m	...
...	13.537	+19.223	- 5	...	...	S *	23.188	+20.047	1.10	43.8968	9.8	...	33.392	- 3.763	- 4	...	...
...	13.858	+ 5.220	- 5	...	...	...	23.839	-47.087	- 5	m	...	...	33.619	-17.168	0.65	...	...
...	* 14.005	-44.492	1.50	44.9537	9.2	...	24.168	+32.539	0.65	...	...	...	33.730	-51.792	- 4	m	...
...	14.268	+47.428	- 5	m	...	...	24.227	+42.725	1.15	43.8969	9.7	...	34.057	+43.698	- 2	...	...
...	+14.436	+ 9.110	- 5	...	...	...	+24.633	-35.704	0.90	...	...	...	+34.309	-33.149	- 3	...	...
...	14.809	+57.500	- 1	...	...	...	24.841	+59.779	- 3	...	...	...	35.293	+46.395	1.00	...	...
...	15.274	+43.292	- 5	...	...	...	24.853	+47.904	1.00	43.8970	10.1	...	35.559	+12.935	- 2	...	...
...	15.652	-35.177	0.75	...	...	...	25.044	-41.159	0.80	...	...	...	35.655	-49.682	- 3	a	...
...	15.838	+42.625	- 5	m	...	...	25.159	+ 0.031	- 5	m	...	...	35.746	+35.328	- 2	...	...
42I	+15.890	-54.002	- 5	m	...	48I	+25.294	+39.674	- 4	...	...	54I	+35.796	+17.743	- 5	...	...
...	15.926	+12.401	- 4	...	...	...	25.615	+38.609	- 5	m	...	...	36.132	+11.055	- 3	...	...
...	15.973	+ 6.796	- 3	...	...	...	25.694	+56.944	0.90	...	...	...	36.352	- 2.399	- 5	m	...
...	16.265	-50.154	- 1	...	...	...	25.905	+53.380	1.00	43.8971	10.1	...	36.463	+15.486	- 4	...	...
...	16.330	+52.980	- 4	a	...	...	26.054	- 6.950	- 1	...	...	...	36.486	- 9.338	- 4	m	...
...	+16.575	+26.506	- 4	...	...	...	+26.437	+48.977	- 4	...	...	...	+36.728	-27.824	- 4	...	...
...	16.602	+ 5.342	- 3	...	...	...	26.608	+19.504	- 1	...	...	...	36.752	-23.423	- 3	...	...
...	* 16.806	-28.609	1.80	44.9538	9.2	...	26.718	+ 0.352	- 5	m	...	...	37.285	-54.759	- 4	m	...
...	* 16.893	-26.758	2.00	44.9539	9.0	...	27.132	+44.909	- 4	...	...	...	37.317	+37.507	- 4	...	...
...	17.006	+35.947	0.80	43.8964	10.4	...	27.554	-42.647	- 5	m	...	...	37.539	- 3.604	- 5	m	...
43I	+17.150	-25.711	- 4	...	...	49I	+27.802	-43.921	- 4	a	...	55I	+37.763	-53.030	0.85	...	...
...	17.262	+34.921	0.90	43.8965	10.3	...	27.861	+36.719	0.90	...	...	...	37.798	- 3.561	- 5	m	...
...	* 17.431	-28.564	1.40	44.9540	9.5	...	28.031	-23.098	1.00	44.9543	10.1	...	37.872	-54.973	- 4	m	...
...	17.498	+50.578	- 1	...	...	...	28.101	+1.843	- 4	...	...	...	38.089	-55.611	- 4	m	...
...	17.551	- 7.884	- 5	m	...	...	28.106	+47.193	- 5	...	...	...	38.115	-26.693	- 5	m	...
...	+17.591	-44.825	- 5	m	...	...	+28.403	+53.101	- 5	...	...	...	* 38.188	+32.907	1.00	...	...
...	17.654	- 7.196	- 5	m	...	...	28.794	-54.775	- 4	m	...	...	38.380	- 2.649	- 5	m	...
...	17.689	+ 1.805	0.65	...	...	...	28.904	-43.285	- 5	m	...	...	38.635	-47.650	- 3	...	...
...	17.704	+ 2.959	- 5	...	...	...	28.935	-40.062	- 5	m	...	...	39.209	+26.161	- 2	...	...
...	17.774	+36.872	- 5	...	...	...	29.054	+22.009	- 2	...	...	...	39.333	+52.200	- 1	...	...
44I	+17.779	+24.014	- 5	...	...	50I	+29.111	+22.380	- 4	...	...	56I	+39.451	-19.799	- 4	...	...
...	18.346	-48.951	0.75	...	...	...	29.377	-34.901	0.80	...	...	...	39.859	+40.978	- 5	a	...
...	18.409	+23.620	- 2	...	...	...	29.435	-21.926	- 5	...	...	...	40.093	-29.346	- 4	m	...
S *	18.820	-18.847	1.30	44.9541	9.4	...	29.480	- 5.263	- 4	...	...	...	40.414	-47.466	0.65	...	...
...	19.150	+55.065	- 5	m	...	...	29.814	-12.015	0.90	...	...	...	40.455	-12.747	- 5	m	...
...	+19.319	+36.548	- 4	...	...	...	+29.874	-39.510	- 4	a	...	...	+41.007	+56.514	- 4	a	...
...	19.871	-11.934	- 3	...	...	...	29.968	+47.360	- 4	...	...	...	41.145	-17.008	- 3	...	...
...	19.918	+39.962	- 5	m	...	...	30.141	+19.278	- 5	...	...	S *	41.243	+29.725	2.10	43.8973	8.2
...	* 20.080	-59.140	1.25	45.9678	9.8	...	30.335	+53.145	- 5	...	...	S *	41.320	+56.391	- 3	...	...
...	20.108	+ 8.631	1.10	43.8966	10.0	...	30.567	- 7.173	- 4	m	...	...	41.770	-52.232	1.60	44.9545	9.0

455, 456. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
571-610						611-650						651-673						
571	+41.987	-23.134	-5	m	...	611	+48.652	+44.502	0.75	...	...	651	+55.800	-31.986	-4	e	...
...	42.221	+30.288	-1	...	...	...	49.291	+15.577	0.70	...	...	*	56.289	-3.213	1.25	44.9547	9.6
...	42.381	+47.347	-3	...	...	...	49.876	+24.627	0.75	...	...	...	56.382	-52.335	-3	...	...
...	42.406	-57.163	-4	m	...	...	49.978	-7.989	-3	...	...	...	56.400	-52.548	-3	...	...
...	43.143	+36.330	-3	...	...	...	50.153	+23.632	-5	...	...	...	56.626	-38.176	-5	e	...
...	+43.435	+4.247	-1	...	...	...	+50.223	+35.727	-5	...	...	...	+56.683	+21.464	-5	e	...
...	43.612	-24.800	-4	...	...	...	50.354	+37.323	-4	...	...	...	56.707	-54.202	-5	m	...
...	43.614	-26.578	0.85	...	...	...	50.587	+57.274	0.65	...	...	...	56.844	-49.388	-1	...	...
...	43.666	-18.310	-4	...	...	...	50.606	+33.226	-5	...	...	...	56.852	+24.077	-1	...	...
...	43.784	+48.508	0.85	...	...	...	50.736	+6.621	-5	e	...	...	56.928	+36.284	0.65	...	...
581	+43.825	+18.523	-4	...	...	621	+50.803	-23.117	-2	...	...	661	+57.012	-43.157	-5	e	...
...	44.052	-2.023	-5	...	...	...	51.347	+52.856	-5	...	...	...	57.163	-36.557	0.70	...	...
...	44.110	+20.891	0.80	...	...	...	51.690	+41.621	0.65	...	...	...	57.468	+43.038	0.70	...	...
...	44.298	+11.315	-4	...	...	...	51.713	-43.505	-5	e	...	...	57.644	+6.432	0.75	...	...
...	44.340	+5.352	-3	...	...	...	51.814	-10.192	-3	...	...	...	57.843	-33.799	-1	...	...
...	+44.434	+7.595	-1	...	...	...	+51.852	-1.007	-5	e	...	...	+58.044	+9.100	-5	e	...
...	44.440	-35.917	-4	m	51.933	-50.243	-4	e	*	58.153	-39.278	7.00	44.9548	5.0
...	44.664	-45.971	-5	m	52.001	+13.476	-5	e	*	58.627	-39.189	3.00
†	44.713	+12.328	2.40	43.8974	8.5	...	52.103	-1.790	-4	e	58.628	-10.308	-2
...	44.906	-10.937	-1	52.393	+23.986	-4	58.705	+13.712	-5	e	...
591	+45.188	+16.930	-5	...	...	631	+52.481	+20.120	-1	...	...	671	+58.791	+44.704	-5	e	...
...	45.357	-51.592	0.70	...	...	...	52.549	+0.890	-4	...	...	...	59.074	+15.714	-4	...	...
...	45.427	-28.422	-5	m	...	...	52.668	+6.994	-2	...	...	†	59.516	+16.331	0.65	...	...
...	45.641	-0.329	-1	α	...	...	53.034	-41.422	0.70	...	...	...	...	...	...	...	...
...	45.812	-1.904	-5	m	...	...	53.109	+11.459	0.65	...	...	...	...	...	...	...	...
...	+45.960	-7.598	-5	m	...	...	+53.217	-2.230	-5	e	...	...	...	...	...	...	...
...	46.126	+57.635	-3	...	...	...	†	53.554	-10.058	-5	e	...	...	...	...	...	...
...	46.273	+52.685	-4	...	...	...	...	53.839	+20.222	-5	e	...	...	...	...	...	...
...	46.526	+33.572	-5	b	...	...	...	53.888	-9.880	0.75	...	...	...	...	...	...	...
*	46.951	-8.393	1.00	44.9546	10.0	...	...	54.048	-23.295	0.70	...	...	...	...	...	...	...
601	+47.185	+4.216	-4	...	...	641	+54.148	+7.242	0.70	...	...	...	...	...	...	...	...
†	47.287	+14.919	-2	...	...	...	54.440	+21.249	-5	e	...	...	...	...	...	...	...
...	47.312	+55.520	-4	...	...	...	*	54.731	+55.739	1.30	43.8975	10.0	...	...	...	...	...
...	47.937	+14.295	0.75	...	...	...	...	54.738	-45.497	0.85	...	...	...	...	...	...	...
...	47.985	-39.310	-4	e	...	...	...	54.758	+55.152	1.50	43.8976	9.7	...	...	...	...	...
...	+48.052	+20.280	-4	...	...	...	...	+54.844	+22.411	-3	...	...	...	...	...	...	...
...	48.147	+0.847	-5	...	...	...	...	55.185	-58.462	-5	m	...	...	...	...	...	...
...	48.252	-41.367	-5	e	...	...	...	55.461	+10.282	-3	...	...	...	...	...	...	...
...	48.461	+2.779	-3	...	...	...	...	55.605	-31.779	-4	e	...	...	...	...	...	...
...	48.540	-41.385	0.75	...	...	...	...	55.782	+40.021	0.70	...	...	...	...	...	...	...

1-10						11-20						21-30						
I	x.	y.	Diam.	C.P.D.	Notes.	II	x.	y.	Diam.	C.P.D.	Notes.	2I	x.	y.	Diam.	C.P.D.	Notes.	
...	-59.805	+0.672	-5	...	...	...	-58.317	+33.103	-5	...	...	...	-55.800	-10.254	-3	...	...
...	59.539	+2.614	0.70	...	...	*	58.111	-41.526	0.95	...	...	...	55.767	-1.853	-4	E	...
...	59.096	+15.431	0.90	...	...	...	57.694	-8.113	0.70	...	...	...	55.481	-11.850	-5	M	...
...	59.072	+57.135	-1	...	...	...	57.491	+41.517	0.70	...	...	...	55.464	+6.942	0.65	...	...
...	58.796	+24.486	0.90	...	...	...	57.380	+6.509	-5	E	...	...	55.385	+0.841	-3	...	...
...	-58.764	+35.585	-4	...	...	...	-56.410	-23.203	0.65	...	...	...	-55.151	+11.415	0.70	...	...
...	58.727	-39.481	-4	E	...	...	56.313	+13.398	-5	E	...	...	55.130	-21.060	-5	M	...
...	58.699	+37.186	-3	...	...	...	56.205	+23.914	-4	...	...	...	55.120	-26.623	-5	M	...
...	58.681	-6.368	-5	M	†	56.049	+20.056	-3	54.889	-43.544	-5	E	...
...	58.424	-41.521	-5	E	56.032	-1.067	-4	E	...	*	54.866	+55.715	1.30	43.8975	10.0

LB measured from 1, 123, 262, 367, 474, 587.
 L " " " 56, 192, 314, 432, 534, 646.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-54.818	+55.133	1.50	43.8976	9.7	91	-46.343	-12.771	0.75	...	...	151	-36.288	+19.786	-4	...	...
*	54.700	+20.200	-5	E	...	...	46.201	+41.511	-5	M	...	...	36.119	-37.918	0.70	...	...
...	54.638	-2.252	-5	E	...	...	45.205	+28.204	0.90	...	...	...	36.003	+20.589	-5	M	...
...	54.462	-50.280	-3	E	...	...	44.937	-9.900	0.95	44.9550	10.1	...	35.764	-36.542	-4	M	...
...	54.128	+21.256	-5	E	...	...	44.809	+57.235	1.30	43.8982	10.0	*	35.660	-28.314	0.95	...	...
...	-54.071	-10.073	-4	E	...	...	-44.744	-10.521	1.00	...	...	...	-35.486	-49.965	0.70	...	...
*	53.986	+7.237	0.90	...	...	...	44.375	+11.957	-5	M	...	...	35.320	+52.198	1.60	43.8987	9.7
...	53.759	+22.417	-2	...	...	...	44.279	-26.450	-2	...	...	...	35.269	-11.986	-4	M	...
...	53.728	-9.881	-2	...	...	...	44.062	-25.555	-5	M	...	...	35.151	+23.951	-4	...	...
...	53.630	-41.431	0.90	...	...	...	43.990	+50.867	-5	...	...	...	35.002	-35.873	-5	M	...
41	-53.340	+40.050	-1	...	...	101	-43.881	-24.729	-1	...	...	161	-34.904	-13.370	-4	M	...
...	53.164	-23.278	0.80	...	...	...	43.697	-31.686	0.70	...	...	...	34.115	-1.949	-5	M	...
...	52.763	+10.314	-1	...	...	...	43.679	-45.903	-2	A	...	...	33.932	+36.164	0.80	...	...
...	52.092	+36.351	0.70	...	...	*	43.544	+35.730	2.40	43.8983	8.7	...	33.628	-39.484	0.65	...	...
...	51.874	+21.527	-5	E	...	...	43.497	-30.313	-5	M	...	...	33.575	-3.427	-2	A	...
...	-51.805	+24.142	0.70	...	...	...	-43.358	-40.566	-3	A	...	...	-33.423	-24.188	-5	M	...
*	51.801	-45.456	1.05	...	...	*	42.505	-59.520	5.00	45.9701	5.9	...	33.040	+0.885	-5	M	...
...	51.757	+43.106	0.75	...	...	...	42.408	+58.200	-5	...	...	...	32.987	-12.074	-4	M	...
...	51.708	+19.981	-5	M	...	...	42.357	-8.430	-5	M	...	...	32.928	-20.135	-3	M	...
*	51.537	-3.141	1.15	44.9547	9.6	...	42.279	-34.506	-4	M	...	...	32.695	-49.357	-4	M	...
51	-51.356	-31.709	-3	E	...	111	-42.178	-6.662	0.70	...	...	171	-32.466	+4.562	-5	M	...
...	51.149	-31.925	-3	E	...	...	42.086	-26.757	0.65	...	...	...	32.385	+46.003	-5	M	...
...	50.840	-26.747	-5	M	...	...	42.027	+10.229	-5	M	...	*	32.237	+41.287	1.00	43.8988	10.0
...	50.500	+44.822	-4	E	...	...	41.438	+11.513	-4	...	...	...	32.202	+57.381	-1	...	...
...	50.461	+6.537	0.90	...	...	...	41.408	+47.983	-5	...	...	...	31.990	-4.651	-5	M	...
...	-50.147	+9.213	-5	E	...	...	-41.113	+5.374	0.85	...	...	...	-31.821	-27.795	0.70	...	...
...	50.132	-38.081	-5	E	...	...	41.054	+33.519	-5	M	...	*	31.799	+40.996	1.15	43.8989	9.9
...	49.954	-52.240	-4	...	...	...	41.017	+11.226	-4	...	...	...	31.727	+46.762	0.95	...	...
...	49.923	-52.447	-4	...	...	...	40.944	-40.360	-3	B	...	*	31.628	-17.375	1.00	44.9552	10.0
...	49.652	-36.450	0.90	...	...	...	40.752	+12.801	0.80	...	...	*	31.549	+55.306	1.50	43.8990	9.6
61	-49.650	+48.711	-4	...	...	121	-40.729	+54.931	0.80	...	...	181	-31.232	+51.497	-5	M	...
...	49.644	+13.853	-5	E	...	...	40.677	+26.477	-5	M	...	...	31.203	-22.778	-4	M	...
...	49.591	-43.047	-5	E	...	*	40.185	+50.676	1.00	...	...	...	30.873	+31.960	-5	M	...
...	49.572	-49.282	-3	...	...	...	40.063	-44.907	0.90	...	...	...	30.815	-57.543	-5	M	...
...	49.479	+54.052	-5	M	...	...	40.034	-11.566	-3	M	...	...	30.770	+20.339	-3	...	...
...	-49.327	+15.859	-3	...	...	...	-40.008	+29.347	-4	...	...	...	-30.732	-35.498	-4	M	...
...	49.271	+44.788	-2	...	...	...	39.641	-57.516	-5	M	...	*	30.696	-32.550	0.90	...	...
...	49.046	-33.653	0.90	...	...	...	39.449	-46.685	-5	M	...	...	30.612	-38.168	-5	M	...
...	48.992	-10.159	0.70	...	...	...	39.392	-37.334	-1	...	...	...	30.593	+6.226	-5	M	...
...	48.898	+16.488	0.80	...	...	...	39.048	+34.414	-3	...	...	...	30.539	-56.025	-1	A	...
71	-48.777	+25.824	-2	...	...	131	-39.014	-17.718	0.65	...	...	191	-30.537	-0.023	-4	M	...
n*	48.574	-39.136	6.00	44.9548	5.0	*	38.591	-41.451	1.20	44.9551	9.6	...	30.119	-48.367	-4	M	...
n*	48.430	+17.763	0.95	43.8978	10.1	...	38.587	-21.915	-5	M	...	...	30.101	-32.080	0.70	...	...
n*	48.090	-39.037	3.00	44.9548	5.0	*	38.538	+16.458	1.00	43.8984	10.1	...	30.028	-24.330	0.85	...	...
...	47.972	+8.233	0.70	...	...	...	38.369	+43.871	-3	...	...	S †	29.984	+5.004	3.90	43.8991	7.0
...	-47.884	+43.422	0.90	...	...	...	-38.340	+30.077	-5	M	...	...	-29.871	-55.699	-5	M	...
*	47.635	+15.346	1.00	43.8979	10.0	...	38.170	+47.515	-4	...	...	...	29.844	+48.917	-3	...	...
...	47.634	-19.121	-5	M	...	...	37.741	-19.712	-5	M	...	...	29.749	+46.004	-4	...	...
*	47.483	+19.166	1.00	43.8980	10.1	...	37.738	-23.439	0.65	...	...	...	29.738	+14.500	-3	...	...
...	47.407	+46.281	0.75	...	...	...	37.655	+11.394	-5	M	...	...	29.645	-44.645	-4	M	...
81	-47.356	+20.064	1.00	43.8981	10.1	141	-37.563	+33.654	1.00	43.8985	10.1	201	-29.454	+2.191	0.80	...	...
...	47.161	+52.376	-5	...	...	*	37.540	+31.043	1.40	43.8986	9.4	...	29.260	+35.890	-4	A	...
...	47.153	-14.760	-2	...	...	...	37.462	-57.979	-4	M	...	...	29.104	-15.470	-5	M	...
...	47.125	+30.998	-3	...	...	...	37.292	-35.787	-4	M	...	...	29.013	-57.134	1.00	44.9553	10.1
*	47.036	-18.225	1.15	44.9549	9.7	...	37.227	+50.181	-2	...	...	S *	28.891	+46.319	1.85	43.8992	9.0
...	-46.957	-20.836	-5	M	...	...	-37.183	+1.363	-4	...	...	...	-28.779	-8.624	-4	M	...
...	46.866	+48.216	-5	...	...	...	37.163	-51.122	-5	M	...	...	27.853	-36.190	-4	M	...
...	46.643	-3.435	0.75	...	...	...	36.997	+5.741	0.75	...	...	...	27.497	+55.360	1.00	...	...
...	46.627	-50.988	-1	...	...	...	36.886	+41.765	-5	M	...	...	27.471	-24.998	0.75	...	...
...	46.396	+9.618	0.70	...	...	...	36.562	+43.324	-2	...	...	...	27.456	+35.537	-5	...	...

72, 74. C.P.D., mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
211-270						271-330						331-390						
211	-27.448	- 8.768	- 5	0	M	...	-18.660	+31.539	0.65	0	...	331	- 6.699	+11.145	- 5	0	M	
...	27.353	- 1.765	0.80	...	...	...	18.607	-31.988	- 5	M	...	...	6.126	+35.088	- 4	...	...
...	27.315	+ 9.444	- 5	M	...	...	18.576	-46.098	0.70	...	...	...	6.116	-42.843	0.75	...	...
...	27.123	+44.876	- 2	...	...	...	18.239	-21.713	- 1	...	...	...	6.012	+21.267	- 5	M	...	
...	26.949	+16.340	- 1	...	...	...	18.032	+44.104	- 3	...	...	...	5.782	+45.011	0.80	...	...
...	-26.913	-52.893	- 1	...	...	...	-17.995	-28.571	0.65	...	...	...	5.560	-15.913	- 3	...	...
...	26.870	+35.168	- 5	M	...	...	17.700	- 0.823	0.70	...	...	...	5.480	+50.759	- 4	...	...
...	26.784	-57.702	0.80	...	...	...	17.616	-21.301	- 5	M	...	...	5.469	+54.666	- 4	...	...
...	26.750	+13.113	- 5	M	...	...	16.202	+51.443	- 5	...	...	...	5.451	-26.286	1.00	44.9563	10.1	
...	26.557	+20.003	0.70	...	...	...	16.093	+33.612	- 5	M	...	...	4.681	+23.487	- 5	M m	...	
221	-26.224	- 2.799	- 5	M	...	281	-15.782	+56.383	0.80	...	...	341	- 4.616	-25.864	- 4	m	...	
...	26.092	+29.666	- 2	...	...	...	15.618	-33.913	1.70	44.9556	8.5	...	...	4.432	-53.274	- 4	...	...
...	26.057	- 9.398	0.90	...	...	...	15.414	+14.358	0.70	...	...	...	...	4.339	+59.261	- 3	...	...
...	25.847	-35.643	- 4	M	...	...	15.358	+10.410	- 2	...	...	...	...	4.092	-17.005	- 1	...	...
...	25.630	+35.237	- 5	M	...	...	15.225	- 1.573	0.90	44.9557	10.1	...	...	3.952	- 1.101	- 2	A m	...
...	-25.554	- 6.242	- 4	M	...	...	-15.193	-34.612	0.70	...	...	...	...	- 3.897	-35.627	0.65	M	...
...	25.520	-30.616	1.00	44.9554	9.8	...	15.142	+20.563	- 5	...	...	...	...	3.748	+56.951	- 5	m	...
...	25.481	-37.442	- 5	M	...	...	14.646	-16.512	- 5	M	...	...	...	3.734	-25.214	0.70	...	...
...	25.075	-28.409	0.65	...	...	...	14.633	-44.262	- 5	M	...	...	...	3.692	-25.366	0.65	...	...
...	24.989	-28.506	0.80	...	...	...	14.495	-12.331	- 5	M	...	...	N	2.961	+31.458	- 4	...	...
231	-24.634	-40.601	- 4	M	...	291	-14.232	-46.802	- 5	M	...	351	- 2.940	+19.021	- 4	...	...
...	24.362	-58.765	- 5	M	...	...	14.086	+57.594	- 2	...	...	N	2.898	+31.483	- 3	...	...
...	24.142	+50.093	- 5	...	...	...	14.009	-53.477	- 5	M	...	...	2.863	+51.987	0.70	...	...
...	23.915	-40.188	0.70	...	...	...	13.777	-35.975	- 3	M	...	...	2.583	-40.490	- 4	M m	...	
S *	23.796	-23.380	3.00	44.9555	7.6	...	13.726	-12.531	- 1	...	...	...	2.203	+53.679	1.00	...	...
...	-23.607	-46.597	0.70	...	...	...	-13.642	-37.597	- 5	M	...	...	- 2.075	+37.417	- 4	...	...
...	23.273	+38.028	1.05	43.8993	9.9	...	13.555	+52.350	- 5	M	...	...	2.063	+31.572	- 5	m	...	
...	23.175	+21.390	0.95	...	...	...	13.164	+37.331	0.65	...	...	...	1.909	-37.672	0.65	...	...
...	23.171	+44.876	1.00	...	...	...	13.106	+ 3.114	- 4	M	...	...	1.720	+32.798	- 4	...	...
...	23.126	-24.102	0.65	...	...	...	13.037	+47.538	- 5	...	...	...	1.699	+58.222	0.80	...	...
241	-23.115	-37.379	- 5	M	...	301	-12.678	+40.846	- 5	M	...	361	- 1.656	-20.234	- 4	...	...
...	22.994	-54.887	- 1	...	...	...	12.426	+27.730	0.70	...	...	*	1.411	+26.507	1.05	43.8997	10.1	
...	22.717	+32.783	- 4	...	...	...	12.158	-47.738	1.00	44.9558	10.0	...	0.725	+58.715	- 5	m	...	
...	22.665	+52.341	1.00	...	...	...	12.094	-39.263	- 4	M	...	...	0.561	-42.926	- 5	M m	...	
...	22.570	+47.849	- 5	...	...	...	12.010	-34.115	1.00	...	...	...	0.500	-49.727	- 5	m	...	
...	-22.538	+33.312	- 5	...	...	...	-11.752	+ 4.443	- 5	M	...	...	...	- 0.499	+10.746	- 2	...	...
...	22.357	+57.124	- 4	...	...	...	-11.750	- 1.852	- 4	M	...	...	...	0.304	-53.294	1.20	44.9564	9.6
...	22.316	+41.419	- 5	...	...	...	11.638	-40.694	- 3	M	...	...	...	0.276	+49.226	- 5	...	...
...	22.225	+49.322	- 4	...	...	...	11.603	-48.632	- 1	...	...	...	...	0.191	+40.193	- 3	...	...
...	22.159	+ 2.123	0.70	...	...	...	11.449	+34.571	- 5	M	...	...	...	0.161	+49.349	- 4	...	...
251	-22.064	+14.284	- 1	...	...	311	-10.934	+10.014	- 5	...	...	371	- 0.005	-32.935	- 4	M	...	
...	21.972	+59.140	- 5	...	...	...	10.837	-22.679	1.00	44.9559	9.4	...	*	+ 0.479	-39.224	1.00	44.9565	10.0
...	21.753	-43.130	- 4	M	...	...	10.464	- 0.395	1.20	44.9560	9.6	...	...	0.574	-32.890	0.70	...	...
...	21.584	+10.800	- 4	...	...	...	10.049	- 2.189	0.70	...	...	...	...	0.603	+58.931	- 3	...	...
...	21.575	+ 2.474	- 3	...	...	...	9.965	+ 9.805	1.00	43.8995	9.8	...	...	0.899	-52.355	- 3	M m	...
...	-21.324	-14.772	- 4	M	...	...	- 9.466	- 1.648	1.00	...	...	...	+	1.024	-19.524	- 4	M m	...
...	21.287	+50.707	- 4	...	...	...	9.463	-46.459	- 2	...	...	...	...	1.199	-50.341	0.70	...	...
...	21.146	+27.524	- 2	...	...	...	9.036	-11.036	- 4	M	...	...	...	1.334	- 1.200	0.70	...	...
...	21.145	-41.787	- 2	...	...	...	8.526	+49.203	0.70	...	...	...	...	1.418	+23.730	0.70	...	...
...	20.524	-37.086	- 5	M	...	...	8.516	-51.072	1.00	...	...	...	...	1.765	+57.056	- 1	...	...
261	-20.426	+40.052	- 4	...	...	321	- 8.356	- 4.155	1.00	44.9561	10.1	381	+ 1.820	+37.623	- 2	...	...
...	20.054	-49.116	- 4	M	...	...	8.308	-40.087	- 5	M	...	...	...	1.899	+33.121	- 2	...	...
...	19.902	+58.562	- 5	...	...	...	8.200	+59.496	1.00	...	...	...	...	2.075	-46.848	- 5	M m	...
...	19.662	-20.972	- 5	M	...	...	8.147	-12.195	- 4	...	...	...	...	2.457	-45.465	0.80	...	...
...	19.599	- 4.778	0.75	...	...	...	8.026	-46.670	1.20	44.9562	9.6	...	...	2.514	+26.745	- 4	...	...
...	-19.456	+49.619	0.70	...	...	...	- 7.706	- 5.961	- 5	M	...	...	+	2.607	+26.765	- 4	m	...
...	19.343	+54.410	- 3	...	...	...	7.616	-31.493	0.70	...	...	...	...	2.911	- 8.259	- 5	M m	...
...	19.299	-18.133	- 2	...	...	...	7.278	+42.986	- 5	...	...	...	...	2.999	-23.434	- 2	...	...
...	19.295	+23.686	- 5	...	...	...	6.957	- 9.161	0.70	...	...	...	...	3.048	-48.178	- 4	M m	...
...	19.011	+44.374	- 5	...	...	...	6.762	-56.177	- 1	...	...	...	*	3.220	+59.802	1.20	43.8998	9.8

350, 352. 43° 116, two stars; 43° 117, mass of suspected double.

Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.		Notes.	Co-ordinates.			C.P.D.	
	x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.		x.	y.	-2.	No.	Mag.
391-450						451-510						511-570					
39I	+ 3'360	-41'679	- 2	...	...	45I	+13'880	-40'763	1'00	44.9570	10·1	51I	+26'265	+21'522	1'15	43.9006	10·1
...	3'387	-33'096	- 5	M m	...	...	13'961	- 7'645	0'65	...	...	...	26'328	+58'064	0'70	...	...
*	3'493	+22'843	1'00	43.8999	10·1	...	14'019	+27'603	- 5	...	...	...	26'511	-35'835	- 3	m	...
...	3'601	+42'248	0'85	...	...	...	14'298	+27'016	- 2	...	...	...	26'572	+ 6'437	- 5	m	...
*	3'681	-32'554	0'90	...	...	S *	14'385	+19'759	2'05	43.9001	8·2	...	26'746	-19'539	- 2	...	...
...	+ 4'026	-34'543	- 5	M m	...	†	+14'537	+15'256	2'00	43.9002	8·4	...	+26'829	+38'482	0'70	...	...
...	4'243	-34'533	- 5	M m	...	†	14'637	+27'743	- 1	...	...	...	26'841	-33'193	0'70	...	...
...	4'519	+53'940	- 1	...	...	*	14'960	-34'182	0'90	...	...	...	26'888	-52'217	- 2	a	...
...	4'532	+36'186	- 1	...	...	*	15'108	+25'261	0'95	...	...	...	27'340	+45'945	- 1	...	...
...	4'769	-38'071	- 5	M m	...	...	15'112	+ 0'485	0'90	44.9571	10·0	*	27'418	+53'840	1'20	43.9007	10·0
40I	+ 4'770	-39'523	- 1	...	...	46I	+15'203	-43'551	0'90	...	...	52I	+28'102	+21'181	- 5	m	...
...	4'864	+41'392	- 5	m	...	...	15'347	+10'813	- 3	...	...	*	28'119	+18'683	1'00	43.9008	10·1
...	5'179	+ 8'450	- 1	...	...	...	15'961	+29'352	- 5	m	...	...	28'153	+47'916	1'00	...	...
...	5'220	-17'778	- 2	...	...	*	16'418	+32'721	1'00	43.9003	9·8	...	28'190	-52'337	- 4	m	...
...	5'255	+21'882	0'65	...	...	...	16'659	+ 3'336	0'65	...	...	...	28'323	-51'165	- 5	m	...
...	+ 5'481	+47'344	- 5	m	...	...	+16'795	+51'523	- 1	...	...	...	+28'415	+36'112	- 4	b	...
...	5'562	-40'791	- 5	M m	...	...	17'446	-47'548	- 5	m	...	...	28'762	+49'844	- 5	m	...
...	5'710	-23'320	0'85	...	...	...	17'964	-33'874	0'90	...	...	...	28'805	-18'274	- 4	m	...
...	5'807	+32'423	- 4	...	...	...	18'409	+26'401	0'65	...	...	...	28'989	+ 1'328	- 5	m	...
...	6'028	+ 5'447	- 4	M m	...	...	18'452	+43'694	- 5	...	...	...	29'076	+44'328	- 4	...	...
41I	+ 6'331	-27'463	0'65	...	...	47I	+18'923	+32'175	- 5	...	...	53I	+29'285	-40'432	0'90	...	...
...	6'373	-30'998	- 2	a	...	†	19'106	-24'848	- 3	...	...	†	29'311	-14'921	0'95	44.9572	10·1
...	6'392	-36'997	- 3	...	...	...	19'159	-32'971	- 1	...	...	...	29'324	- 9'696	- 4	m	...
...	6'492	- 7'179	- 4	m	...	...	19'695	-31'647	- 5	m	...	...	29'572	-25'790	0'70	...	...
*	6'977	+44'033	1'10	43.9000	10·0	*	19'822	+59'461	1'20	43.9004	10·0	*	29'773	-45'584	1'00	44.9573	10·1
...	+ 7'317	+54'087	- 2	...	...	...	+19'905	- 6'045	- 2	a	...	...	+29'883	+20'751	- 4	...	...
...	7'485	+30'106	- 2	...	...	...	19'929	+52'687	- 5	...	...	...	29'926	- 5'528	- 5	m	...
...	7'502	-56'240	- 5	m	...	...	20'152	-53'787	- 4	m	...	...	30'049	-23'028	0'70	...	...
...	7'639	-48'344	0'85	...	...	...	20'625	- 7'953	- 3	m	...	...	30'273	-31'175	- 5	m	...
...	7'699	-35'203	- 5	m	...	...	20'703	-16'758	- 3	m	...	...	31'278	+41'154	- 4	...	...
42I	+ 7'779	+18'474	0'70	...	...	48I	+20'947	-39'607	- 1	...	...	54I	+31'380	+26'912	- 5	m	...
...	7'857	-57'136	- 4	m	...	...	21'114	-45'462	- 3	m	...	...	31'400	- 3'473	0'65	...	...
...	7'883	-43'687	- 4	m	...	...	21'502	-26'622	- 4	m	...	...	31'433	-36'651	0'65	...	...
...	8'031	+46'488	- 1	...	...	...	21'945	-13'260	- 5	m	...	...	31'647	- 2'257	0'90	...	...
...	8'097	+23'782	- 3	...	...	...	21'995	- 2'111	- 5	m	...	...	31'782	+37'504	- 4	...	...
*	+ 8'170	- 8'518	1'00	44.9566	10·0	...	+22'348	-56'543	0'85	...	...	*	+31'959	-44'056	1'20	44.9574	9·6
†	8'237	-14'856	- 4	m	...	...	22'811	-20'043	- 4	m	...	...	31'979	+13'177	0'90	...	...
...	8'455	+20'766	- 4	...	...	...	23'415	-18'873	- 5	m	...	...	32'192	-30'861	- 4	...	...
...	8'483	-31'167	- 2	...	...	...	24'050	-39'063	- 3	m	...	...	32'194	-14'726	0'75	...	...
...	8'639	-30'824	- 5	m	...	...	24'089	-18'608	- 3	...	...	...	32'326	+35'667	- 4	...	...
43I	+ 8'803	+39'668	0'85	...	...	49I	+24'130	-55'560	- 1	...	...	55I	+32'350	-24'048	- 4	m	...
...	9'884	-42'602	- 3	...	...	†	24'556	- 7'953	- 4	...	...	...	32'388	- 2'938	- 4	m	...
*	9'958	-37'355	1'00	44.9567	10·1	S *	24'850	+21'156	4'60	43.9005	6·3	...	32'868	+ 7'500	- 4	...	...
...	10'382	-56'520	0'95	...	...	...	24'870	+10'199	- 5	m	...	...	32'936	+ 8'007	- 5	m	...
...	10'437	+ 8'276	- 3	...	...	...	24'924	-14'024	- 3	m	...	...	33'085	+37'871	- 4	...	...
...	+10'604	-29'087	- 1	...	...	...	+25'067	-32'999	- 5	m	...	...	+33'361	+51'995	- 5	m	...
...	10'856	+49'323	- 5	...	...	...	25'109	-25'092	0'70	...	...	*	33'519	+14'129	1'00	...	...
...	10'979	+ 0'754	- 5	b	...	...	25'138	+43'043	- 3	...	...	...	33'817	+54'741	0'65	...	...
...	11'161	+36'565	- 5	...	...	...	25'226	+11'814	- 5	m	...	...	34'142	- 4'093	0'65	...	...
...	11'245	-57'790	- 5	m	...	...	25'341	+13'848	0'70	...	...	...	34'360	-15'873	- 5	m	...
44I	+11'262	- 4'087	1'00	44.9568	9·8	50I	+25'348	-50'335	- 5	m	...	56I	+35'165	+15'082	- 5	m	...
*	11'707	-35'629	0'85	...	...	...	25'354	+50'836	- 1	...	...	...	35'175	+43'903	0'70	...	...
...	11'845	+57'121	0'95	...	...	...	25'436	-54'506	- 5	m	...	...	35'318	+ 1'070	- 3	...	...
...	12'427	+48'736	0'90	...	...	...	25'471	-28'340	- 1	a	...	...	35'379	-35'898	- 4	m	...
...	13'159	-38'703	- 3	...	...	...	25'683	+31'969	0'65	...	...	S *	35'419	-19'676	1'10	44.9575	9·2
N * [	+13'329	- 5'070	1'60	44.9569	7·8	...	+25'706	-34'762	0'70	...	...	...	+35'478	+26'086	0'75	...	...
...	13'450	- 5'070	2'00	...	...	...	25'763	-50'786	0'75	...	...	...	36'138	-22'738	0'70	...	...
...	13'536	-30'284	- 5	m	...	...	26'114	-12'014	- 5	m	...	...	36'209	+34'625	- 2	...	...
...	13'565	-23'779	0'70	...	...	...	26'195	-32'697	- 5	m	...	...	36'210	+53'498	- 1	...	...
...	13'719	-48'474	- 5	m	...	...	26'201	-41'615	- 5	m	...	...	36'217	+56'031	- 4	...	...

446, 447, 45° 117, mass.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.		x.	y.	-z.		No.	Mag.
571-610						611-650						651-686								
571	+36'248	+22'341	-5	m	...	611	+44'393	-36'167	1'15	44.9577	9'9	651	+50'604	+20'730	1'15	43.9016	9'8			
...	36'276	+10'144	0'70	...	...	...	44'408	-21'246	0'65	...	...	...	50'928	-14'141	1'30	44.9580	9'4
...	36'587	-54'626	-1	...	...	...	44'479	-26'895	0'70	...	...	...	51'422	+33'847	-4	...	...	
...	36'807	+43'199	1'00	43.9009	10'1	...	44'671	-7'402	-1	...	...	...	51'436	+13'698	-5	e	...
...	36'865	-29'382	0'65	...	...	...	44'699	-12'320	0'65	...	...	...	51'675	+33'466	-4	...	...	
...	+36'916	+36'433	-2	...	...	...	+44'702	+33'424	-4	m	...	...	+51'688	-13'308	-3	...	...	
...	37'363	+29'262	0'70	...	...	...	44'830	-4'335	-2	a	...	...	51'692	-26'013	-5	e	...
...	37'842	-34'639	0'90	...	...	...	44'837	+29'718	-5	...	...	...	52'029	-28'977	1'05	44.9581	9'9
...	37'906	+33'012	-5	m	...	...	44'838	+4'947	0'95	43.9011	10'1	...	52'384	+21'994	-4	...	...	
...	38'121	+4'928	-4	...	...	...	45'184	-51'023	0'70	...	...	...	52'822	+14'893	-4	...	...	
581	+38'493	-22'737	-5	m	...	621	+45'312	+35'521	1'00	43.9012	10'0	661	+53'414	-32'886	-1	...	...	
...	38'524	+38'630	1'00	43.9010	10'1	...	45'597	-7'654	-5	m	...	...	53'425	+47'787	-5	...	...	
...	39'045	+27'728	-5	m	...	...	45'902	-37'737	1'20	44.9578	9'7	S	54'277	-45'873	3'40	44.9583	6'8	
...	39'192	+42'400	-5	...	...	...	45'959	-14'211	-4	m	...	...	54'613	-12'361	1'00	44.9582	10'1
...	39'207	-12'654	0'90	...	...	...	45'961	-50'605	1'00	44.9579	10'1	...	54'626	-32'990	-2	...	...	
...	+39'208	-40'607	-4	m	...	...	+46'987	-28'290	0'75	...	...	...	+54'859	+58'138	2'60	43.9017	8'5
...	39'560	-26'133	0'90	...	...	...	47'143	+1'470	-5	m	...	...	54'992	+17'535	-3	...	...	
...	39'723	+2'593	-5	m	...	...	47'188	-10'068	-2	...	...	...	55'270	-3'571	-3	...	...	
...	39'728	+0'757	-5	m	...	...	47'427	-9'458	-4	m	...	...	55'345	+55'567	-1	...	...	
...	39'806	+58'158	1'20	...	...	...	47'556	+2'922	0'90	...	...	...	55'536	-12'736	-2	...	...	
591	+40'092	-9'038	0'85	...	...	631	+47'625	-43'980	0'85	...	...	671	+55'705	-15'446	0'95	...	...	
...	40'162	-57'937	2'00	45.9734	9'0	...	47'780	+42'898	-5	...	...	...	55'857	+59'440	-5	...	...	
...	40'855	-22'167	-3	...	...	...	47'894	+25'185	-4	a	...	...	56'346	+54'466	-1	...	...	
...	40'865	+7'761	0'90	...	...	...	47'974	-5'905	-5	m	...	...	56'466	-30'268	-2	...	...	
...	41'124	-45'702	0'65	...	...	...	47'974	-47'954	-3	e	...	...	56'835	-1'445	-4	e	...
...	+41'137	-6'649	-5	m	...	...	+48'084	+42'706	-3	...	...	...	+56'954	-21'458	-5	e	...
...	41'406	-39'448	0'65	...	...	...	48'090	-33'419	-4	e	...	...	57'060	+18'837	-5	...	...	
...	41'412	-50'376	-1	a	...	...	48'133	-39'261	-1	...	...	...	57'332	-54'883	-2	...	...	
S*	41'768	-50'177	2'10	44.9576	8'2	...	48'314	-18'423	0'75	...	...	...	57'801	+38'830	0'90	...	...	
...	42'058	-56'462	0'65	...	...	...	48'405	-47'497	-5	e	...	...	57'862	-14'952	0'85	...	...	
601	+42'120	-14'655	-5	m	...	641	+48'413	-42'092	0'75	...	...	681	+57'924	+13'449	-5	...	...	
...	42'137	+48'952	-5	...	...	...	48'623	+14'069	-4	m	...	...	57'926	-4'044	-4	e	...
...	42'840	-12'361	-4	m	...	...	49'144	+14'909	-4	m	...	...	58'429	-49'770	-2	...	...	
...	43'199	+14'550	-5	m	...	...	49'164	-12'564	-4	e	...	...	58'853	+5'590	-1	...	...	
...	43'233	-27'635	-3	m	...	...	49'423	+49'636	1'05	43.9013	10'1	...	59'012	-47'169	1'10	44.9585	9'9	
...	+43'375	+0'486	-4	...	...	...	+49'544	+59'575	-1	...	...	...	+59'270	+0'165	1'30	44.9584	9'4
...	43'752	+37'775	0'70	...	...	...	49'698	-17'348	-5	e	...	...	...	...	...	...	...
...	43'806	-29'796	-1	...	...	S*	49'758	+41'862	1'60	43.9014	9'2	...	...	...	...	...	...
...	44'063	+47'143	-5	...	...	S*	49'977	+46'524	1'05	43.9015	10'0	...	...	...	...	...	...
...	44'317	+31'138	0'70	...	...	...	50'459	-52'312	-1	...	...	...	...	...	...	...	...

1-10						11-20						21-30					
I	x.	y.	-z.	No.	Mag.	I	x.	y.	-z.	No.	Mag.	I	x.	y.	-z.	No.	Mag.
S*	-59'444	+41'714	1'70	43.9014	9'2	11	-57'967	+20'624	1'00	43.9016	9'8	21	-55'846	-13'371	-4	...	...
...	59'363	+46'391	0'95	43.9015	10'0	...	57'707	-17'472	-5	E	...	...	55'564	+14'848	-5	...	...
...	59'060	-18'585	0'65	...	...	...	57'547	+33'752	-5	...	...	...	55'437	-26'064	-5	E	...
...	58'972	-44'136	-1	...	...	...	57'282	+33'380	-5	...	...	...	55'024	-29'016	1'05	44.9581	9'9
...	58'824	-33'572	-5	E	...	...	56'907	+13'602	-5	E	...	...	54'839	+58'140	2'30	43.9017	8'5
...	-58'605	-39'410	-2	...	...	...	-56'565	-14'225	1'25	44.9580	9'4	...	-54'277	+55'580	-2	...	...
...	58'495	-48'108	-4	E	...	...	56'477	-31'485	-5	M	...	...	53'808	-58'628	-5	M	...
...	58'397	-12'703	-5	E	...	...	56'226	+21'939	-5	...	...	...	53'565	-10'155	-5	M	...
...	58'243	-42'228	-1	...	...	...	55'955	+47'743	-5	...	...	...	53'522	-32'881	-1	...	...
...	58'085	-47'637	-5	E	...	...	55'880	-52'387	-3	...	...	...	53'478	-17'549	-3	...	...

L measured from 1, 250, 478.
 LB " " 112, 362, 595.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
3I	-53.243	+54.499	-1	...	...	9I	-41.640	-54.029	1.00	...	...	15I	-33.489	+2.832	-4	...	...
*	52.949	-12.333	1.00	44.9582	10.1	...	41.567	+44.264	-4	A	...	...	33.457	+26.997	-3	...	...
...	52.552	-3.530	-3	...	...	*	41.502	+24.012	1.00	43.9022	10.1	N	33.441	+49.286	-1	D	...
...	52.303	-32.952	-2	...	...	...	41.430	-48.813	-5	M	...	*	33.389	-25.176	1.05	44.9589	10.1
...	52.266	+6.546	-5	M	...	...	41.275	-17.228	-4	M	...	...	33.167	-26.245	-3	...	...
S*	-52.241	-45.841	3.10	44.9583	6.8	...	41.274	-36.843	-5	M	...	...	-33.104	+27.051	0.70	...	...
...	52.004	-12.685	0.70	...	...	*	41.019	+18.385	1.00	43.9023	9.9	...	33.055	+20.303	-5	M	...
...	51.761	-15.384	0.95	...	...	...	40.774	+22.293	0.90	...	...	...	32.830	-34.559	-4	M	...
...	51.447	+18.916	-5	...	...	...	40.746	-45.950	-1	...	...	...	32.706	+10.453	-5	M	...
...	51.346	-53.102	-5	M	...	...	40.634	-54.224	-5	M	...	...	32.648	-24.401	-1	...	...
4I	-51.323	+38.926	-1	...	...	10I	-40.567	-17.368	-3	...	...	16I	-32.577	+58.598	-5	...	...
...	51.057	-1.358	-4	E	...	...	40.521	+38.805	-2	...	...	S*	32.563	-41.430	1.30	44.9590	9.2
...	50.557	-30.168	-1	...	...	...	40.490	+11.773	-4	...	...	...	32.510	-51.999	-5	M	...
...	50.430	-43.381	-5	M	...	...	40.463	+14.863	-5	M	...	...	32.492	+23.565	-5	M	...
...	50.416	+13.565	-5	...	...	...	40.462	+46.865	-5	...	...	...	32.407	-33.323	-3	...	...
...	-50.332	-21.355	-4	E	...	...	-40.382	+12.087	-4	...	...	S*	-32.207	+19.152	1.30	43.9026	9.4
...	49.892	-3.919	-3	E	...	...	40.323	+46.846	-4	...	...	...	31.960	+16.938	0.80	...	...
†	49.602	-14.809	0.65	...	...	...	40.317	+48.818	-2	...	...	...	31.730	-18.271	-5	M	...
...	49.260	+5.735	-3	...	...	...	40.286	-13.220	-5	M	...	...	31.370	-8.115	0.70	...	...
...	49.126	-46.307	-5	M	...	*	40.209	+9.037	1.00	43.9024	10.1	...	31.246	+14.765	-3	...	...
5I	-48.944	-54.722	-1	...	...	11I	-39.764	+33.367	-5	...	...	17I	-31.083	+18.049	0.65	...	...
†	48.687	+0.322	1.25	44.9584	9.4	†	39.445	+13.795	-4	M	...	...	31.029	+16.196	1.00	43.9027	10.1
*	48.427	+9.725	-3	...	...	...	39.370	+4.916	-4	M	...	...	30.957	-22.574	-5	M	...
...	48.342	+26.954	-4	...	...	...	39.146	-34.488	-2	...	...	...	30.943	-15.104	-1	...	...
...	48.209	+53.238	-5	...	...	...	39.002	-8.076	0.85	...	...	...	30.809	-12.253	-5	M	...
...	-48.117	-31.791	-5	M	...	...	-38.917	-3.898	-5	M	...	*	-30.580	-40.184	1.20	44.9591	9.4
...	48.029	-4.635	-3	...	...	...	38.878	-31.666	-2	A	...	*	30.482	+13.926	0.90	43.9028	10.1
...	47.999	-49.596	-1	...	...	...	38.861	+35.857	-4	...	...	...	30.456	-49.234	-5	M	...
...	47.927	+36.715	-5	...	...	*	38.744	+9.195	1.05	43.9025	9.7	...	30.401	+35.928	-5	M	...
...	47.600	+5.842	-5	M	...	...	38.711	-6.085	-1	...	...	...	30.288	+23.313	0.70	...	...
6I	-47.508	-46.979	1.15	44.9585	9.9	12I	-37.394	-49.928	0.65	...	...	18I	-30.238	+1.888	-4	...	...
...	47.498	+5.264	-4	...	...	...	37.379	-36.072	0.80	...	...	...	30.215	+24.102	-5	M	...
...	47.364	-3.323	-5	M	...	...	37.359	+22.520	-4	...	...	...	30.023	-36.807	0.65	...	...
...	46.622	-22.400	-5	M	...	...	37.353	-27.936	-1	...	...	...	29.947	-48.689	-5	M	...
...	46.474	-38.548	-1	...	...	...	37.229	+39.121	-5	A	...	†	29.792	+37.380	-1	...	...
...	-46.369	-33.797	-5	M	...	...	-37.197	+26.995	-4	...	...	†	-29.725	+34.847	-1	...	...
...	46.313	+52.263	-5	...	...	*	37.037	-26.223	1.15	44.9587	9.8	†	29.680	+36.030	1.15	43.9029	9.9
*	46.306	+14.854	1.10	43.9018	9.8	...	36.809	-59.378	-1	...	...	...	29.502	-27.493	-5	M	...
...	46.280	-21.012	-5	M	...	...	36.807	-7.752	0.75	...	...	...	29.479	-57.131	-2	B	...
...	46.088	+20.873	-5	M	...	*	36.190	-53.887	1.00	44.9588	10.1	...	29.095	+28.823	-5	M	...
7I	-45.951	+3.302	-1	...	...	13I	-35.887	+3.253	-3	...	...	19I	-29.070	+32.920	-4	...	...
...	45.926	-0.914	-4	M	...	...	35.770	-6.385	-5	M	...	...	28.923	-15.715	-3	...	...
...	45.599	+34.208	1.00	...	...	...	35.728	-35.541	-4	M	...	...	28.782	+24.649	0.90	...	...
...	45.558	+13.283	-5	M	...	...	35.722	-3.679	0.80	...	...	...	28.644	-4.216	-4	M	...
...	45.535	-1.627	-5	M	...	...	35.673	+41.025	-5	...	...	...	28.305	+0.807	0.70	...	...
*	-45.301	+35.663	1.00	...	...	...	-35.618	-5.578	-4	M	...	...	-28.247	-3.298	-3	...	...
...	45.265	-5.427	-5	M	...	...	35.507	+39.203	-5	M	...	...	28.074	-53.561	-5	M	...
...	44.361	+48.582	-5	...	...	...	35.331	+16.710	-5	M	...	...	27.995	-34.900	-5	M	...
...	44.246	+56.326	-5	...	...	...	35.136	+54.307	-4	A	...	*	27.717	+42.538	0.90	...	...
...	44.150	+11.748	-4	...	...	...	34.909	+42.309	-5	M	...	...	26.962	+13.531	0.65	...	...
8I	-43.922	+43.615	-4	...	...	14I	-34.869	+54.789	-5	...	...	20I	-26.840	+43.467	0.90	...	...
*	43.777	+41.362	1.00	43.9019	10.1	...	34.840	-54.196	-1	...	...	...	26.785	-19.034	-4	M	...
...	43.591	-43.550	-5	M	...	†	34.740	-32.135	-1	...	...	...	26.494	-12.879	-4	M	...
...	42.985	+1.491	0.90	...	...	...	34.559	-22.511	0.70	...	...	...	26.355	-7.810	-5	M	...
...	42.906	+4.798	0.90	...	...	...	34.431	+50.819	-3	...	...	...	26.336	+26.663	-2	...	...
*	-42.779	-10.113	1.00	44.9586	10.0	...	-34.353	+56.883	0.70	...	...	...	-26.284	-48.937	-1	...	...
...	42.496	-19.083	-5	M	...	...	34.229	+31.753	-4	A	...	...	26.231	+15.707	-5	M	...
...	42.432	+6.365	-5	M	...	...	33.849	+49.573	-5	...	...	...	26.181	-35.440	-4	M	...
...	42.288	-53.512	-5	M	...	...	33.551	+57.565	0.65	...	...	...	26.129	-23.531	-5	M	...
*	41.930	+42.010	1.20	43.9021	9.9	...	33.534	-16.531	0.70	...	...	...	26.114	-41.486	-3	...	...

153. Var.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
211-270						271-330						331-390					
211	-26.069	+15.322	-3	...	...	271	-15.418	+45.859	-5	M	...	331	-6.149	+32.169	-4	...	...
...	25.991	-47.635	-5	M	...	...	15.326	+58.608	-1	...	...	...	5.948	+0.397	-5	M	...
...	25.908	-16.890	-5	M	...	...	14.988	+20.355	-5	M	...	...	5.609	-47.778	0.70	...	...
...	25.549	-20.166	-5	M	...	...	14.980	+56.448	-2	...	...	...	5.310	-39.706	-5	m	...
...	25.500	+9.388	0.80	...	...	...	14.891	-7.659	-5	M	...	...	5.224	+8.746	-2	...	...
†	-25.440	+0.035	-4	...	...	...	-14.434	+18.149	-4	M	...	...	-5.148	+35.837	-2	...	...
*	25.318	+10.385	0.90	...	...	...	14.319	+8.848	-5	M	...	...	5.021	-21.707	-4	m	...
...	24.899	-28.386	0.70	...	...	...	14.262	-11.290	-5	M	...	...	4.975	-13.576	-5	M m	...
...	24.786	-37.246	0.70	...	...	...	14.246	-21.890	0.70	...	...	†	4.750	+34.579	0.65	...	...
†	24.630	-51.488	1.20	44.9592	9.4	...	14.217	-45.667	0.65	...	...	...	4.682	+51.119	-5	M	...
221	-24.556	-41.296	0.75	...	...	281	-14.192	+3.034	-3	...	...	341	-4.643	-38.425	-2	m	...
...	24.492	-20.453	-5	M	...	...	14.031	-36.354	1.00	44.9597	9.9	...	4.546	+49.368	-5	m	...
...	24.424	+4.970	-2	...	...	...	13.910	+19.598	1.20	43.9030	9.7	...	4.478	-21.632	-5	m	...
...	24.373	+20.570	-5	M	...	...	13.882	-47.596	-2	...	...	*	4.470	+13.367	1.00	43.9033	9.9
...	24.334	+25.489	-3	...	...	...	13.844	-17.933	-4	...	...	...	4.007	-1.613	0.90	...	...
...	-24.240	+5.767	-4	...	...	...	-13.784	-15.416	-5	M	...	...	-3.387	-49.190	1.00	44.9603	10.1
...	23.941	+7.284	-5	M	...	...	13.521	+31.765	-5	M	...	...	3.128	-21.116	-5	M m	...
...	23.712	+29.237	-5	M	...	...	13.004	-24.604	-4	M	...	*	3.080	-46.564	0.95	44.9604	10.1
...	23.510	-44.046	-3	M	...	...	12.991	+22.252	0.70	...	...	...	2.741	+32.226	-5	m	...
...	23.469	+12.782	-3	...	...	*	12.792	-28.844	1.00	44.9598	10.1	...	2.495	+40.974	0.65	...	...
231	-23.355	-9.584	-5	M	...	291	-12.550	+34.026	-5	M	...	351	-2.415	+45.829	-5	...	...
...	23.349	+54.585	-5	M	...	...	12.448	-16.260	0.95	44.9599	10.1	...	2.292	+19.461	-4	...	...
...	23.116	-38.492	0.65	...	...	S*	12.261	+15.814	1.25	43.9031	9.4	...	1.724	-49.145	-5	...	...
...	23.047	-1.228	-4	M	...	...	11.715	-3.183	0.65	...	...	...	1.705	+17.664	-4	...	...
...	22.982	+30.176	0.65	...	...	*	11.506	-17.299	1.10	44.9600	10.1	...	1.277	+2.145	-5	M m	...
...	-22.876	-46.422	-5	M	...	...	-11.314	-39.003	-5	M	...	*	-1.062	-40.223	1.00	44.9605	10.1
...	22.849	+10.959	-5	M	...	...	11.239	+0.995	-3	...	...	...	0.762	+6.560	-5	M m	...
...	22.270	+46.851	-4	M	...	...	11.082	+27.932	0.85	...	...	*	0.374	+13.068	1.20	43.9034	9.6
...	22.251	+8.917	0.70	...	...	...	10.970	-35.581	-5	M	...	...	0.192	-21.553	-5	M m	...
...	22.188	-40.685	-4	M	...	...	10.586	-46.056	0.65	...	...	...	-0.071	+1.247	-5	M m	...
241	-21.887	-18.745	0.70	...	...	301	-10.541	-29.780	-4	...	...	361	+0.032	-12.098	-5	M m	...
...	21.687	-20.387	-2	...	...	†	10.440	-59.507	-5	...	...	...	0.318	-56.425	-2	...	...
...	21.595	-57.550	-3	...	...	...	10.437	+9.960	-5	M	...	...	0.713	+29.126	0.70	...	...
*	21.537	+43.793	1.00	...	...	...	10.379	+1.269	-5	M	...	S*	0.946	+58.085	1.85	43.9035	9.2
...	21.326	-41.678	-5	M	...	...	10.219	-57.648	-1	...	...	...	1.381	+45.349	-3	...	...
...	-21.109	+16.603	-5	M	...	*	-10.103	-41.262	0.95	...	...	...	+1.492	+10.539	-3	M	...
*	20.974	-44.002	1.10	44.9593	9.8	...	9.992	-38.350	-2	...	...	...	1.536	-37.916	-3	m	...
...	20.824	-16.961	-4	M	...	...	9.976	-51.114	0.85	44.9601	10.1	*	1.801	-33.104	1.05	44.9606	9.9
*	20.166	-5.734	1.00	44.9594	10.1	†	9.709	+4.966	-2	...	...	S*	1.957	-30.333	1.50	44.9607	9.2
...	19.525	-26.616	-3	...	...	...	9.613	-28.452	-5	M	...	...	2.080	+0.353	-4	...	...
251	-18.892	+36.823	-3	...	...	311	-9.410	-33.724	-5	M	...	371	+2.139	-15.660	1.20	44.9609	9.8
...	18.890	+55.578	-1	...	...	*	9.045	+39.166	1.00	...	...	...	2.204	-50.049	-2	m	...
...	18.772	+19.162	-5	M	...	...	8.878	+50.286	-3	...	...	*	2.292	-38.673	1.50	44.9608	9.4
...	18.507	-58.844	-5	M	...	...	8.811	+26.534	-2	...	...	...	2.623	-55.981	-1	...	...
*	18.206	-43.826	0.95	44.9595	10.1	...	8.752	+43.298	-2	...	...	...	2.674	-0.961	-5	M m	...
...	-18.158	-44.149	-1	...	...	...	-8.655	-38.034	-5	M	...	†	+2.919	-39.886	1.60	44.9610	9.0
...	18.046	+15.588	-5	...	...	*	8.410	+33.578	0.95	43.9032	10.1	...	3.130	-14.167	-2	m	...
...	17.793	-41.184	-5	M	...	...	8.306	-5.718	-4	M	...	...	3.307	-52.232	-2	...	...
...	17.743	-42.413	-3	...	...	...	8.169	+2.682	-4	...	...	...	3.310	-19.232	-5	M m	...
...	17.560	+44.676	-5	M	...	*	7.810	-23.794	1.40	44.9602	9.4	...	3.431	+23.799	-5	M m	...
261	-17.523	-39.609	-4	M	...	321	-7.519	-9.534	-3	...	...	381	+3.443	-59.037	0.85	...	...
...	17.391	-24.458	-5	M	...	...	7.395	+48.941	1.00	...	...	...	3.655	+48.739	-2	...	...
...	17.104	-40.526	-5	M	...	...	7.313	+36.855	-3	...	...	...	3.689	-44.891	-4	M m	...
...	16.921	-48.493	-2	...	...	...	7.199	+47.543	-5	...	...	...	3.864	+31.210	-5	M m	...
...	16.702	+6.891	-4	...	...	...	7.020	+5.901	-3	...	...	...	3.939	-51.178	0.70	...	...
...	-16.562	-57.672	-5	M	...	...	-6.566	-55.558	-5	M	...	...	+4.532	-48.548	-5	M m	...
...	16.477	+31.804	-5	M	...	...	6.538	-7.227	-2	...	...	...	4.577	-24.229	0.70	...	...
...	16.010	+31.098	-5	M	...	...	6.447	-35.404	-5	M	...	...	4.622	-32.852	-5	M m	...
*	15.929	-52.141	1.00	44.9596	10.1	...	6.387	-58.352	-5	m	...	...	4.639	-13.313	1.00	43.9036	10.1
...	15.461	+38.250	-4	...	...	...	6.283	-3.881	-5	M	...	...	4.802	+35.071	-5	M m	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
391-450						451-510						511-570					
391	+ 4.986	- 55.831	- 3	<i>m</i>	...	451	+ 17.613	- 35.992	1.90	44.9615	8.4	511	+ 24.322	+ 38.553	- 4	...	...
...	4.988	+ 49.928	1.50	43.9037	9.6	...	17.788	+ 43.048	- 1	...	...	...	24.328	+ 1.786	- 5	<i>m</i>	...
...	5.002	- 24.645	- 4	<i>M m</i>	...	...	17.886	+ 4.563	- 5	<i>m</i>	...	...	24.735	+ 30.180	- 5	<i>m</i>	...
...	5.660	- 49.896	1.00	44.9611	10.1	...	17.983	- 0.695	- 2	<i>m</i>	...	...	24.811	- 57.428	- 4	...	...
...	5.725	- 20.369	- 4	<i>M m</i>	...	...	18.017	- 51.526	- 5	<i>m</i>	...	...	24.814	+ 34.555	1.00	43.9043	10.1
...	+ 6.358	+ 54.365	- 5	<i>m</i>	...	...	+ 18.088	- 11.387	0.70	...	...	...	+ 24.895	+ 54.479	- 5	<i>m</i>	...
...	6.578	- 12.407	- 4	<i>m</i>	...	...	18.105	- 14.570	0.95	44.9616	10.1	...	24.961	+ 33.067	- 5	<i>m</i>	...
...	* 6.850	+ 46.052	1.10	43.9038	9.9	...	18.284	+ 3.390	- 5	<i>m</i>	...	...	* 25.045	- 19.162	1.00	44.9618	10.1
...	6.867	+ 42.756	- 3	...	...	...	18.324	+ 39.206	- 1	...	...	...	† 25.055	+ 6.519	- 4	...	...
...	6.964	+ 24.699	- 5	<i>m</i>	...	...	18.427	+ 32.475	- 5	<i>m</i>	...	...	* 25.405	- 5.595	1.30	44.9619	9.4
401	+ 7.045	- 50.653	- 4	<i>m</i>	...	461	+ 18.477	+ 59.566	1.00	...	...	521	+ 25.458	+ 49.481	- 1	...	...
...	7.490	- 41.397	0.70	...	...	...	18.637	+ 4.714	- 3	<i>a</i>	...	...	* 25.503	- 58.409	2.00	45.9762	8.6
...	* 7.606	+ 12.704	1.00	43.9039	10.0	...	18.660	- 33.661	0.80	...	...	...	* 25.595	+ 38.372	1.40	43.9044	9.8
...	7.769	+ 21.386	- 1	...	...	...	18.753	+ 37.892	- 4	<i>m</i>	...	...	26.000	- 1.777	- 5	<i>m</i>	...
...	7.926	- 14.755	- 5	<i>m</i>	...	...	18.762	+ 26.435	- 5	<i>m</i>	...	...	* 26.266	+ 1.553	1.10	44.9620	9.8
...	+ 8.222	- 19.537	- 3	<i>m</i>	...	...	+ 19.000	- 13.885	- 4	<i>m</i>	...	...	+ 26.273	- 48.067	- 4	...	...
...	8.473	+ 27.890	- 3	...	...	...	19.261	+ 29.497	- 5	<i>m</i>	...	...	26.302	+ 57.802	- 1	...	...
...	8.687	- 38.758	- 4	<i>m</i>	...	...	19.302	+ 49.535	- 3	...	...	...	* 26.363	+ 12.723	0.90	...	...
...	* 9.081	- 26.075	1.00	44.9612	10.0	S *	19.439	+ 44.120	2.40	43.9041	8.4	...	26.400	- 7.333	- 5	<i>m</i>	...
...	9.172	+ 22.595	- 5	<i>m</i>	...	...	19.462	- 12.038	- 5	<i>m</i>	...	...	26.678	- 4.201	0.80	...	...
411	+ 9.193	+ 30.983	- 4	...	...	471	+ 19.499	- 17.777	- 1	...	...	531	+ 26.739	- 3.628	- 5	<i>m</i>	...
...	9.362	- 49.321	- 5	<i>m</i>	...	...	19.646	+ 51.693	1.60	43.9042	9.4	...	27.206	- 9.020	- 2	<i>a</i>	...
S *	9.603	- 7.839	2.00	44.9613	8.6	...	19.753	- 31.948	- 4	<i>m</i>	...	...	27.332	- 0.592	- 5	<i>m</i>	...
...	* 10.591	+ 48.095	1.15	43.9040	10.1	...	19.758	- 23.794	- 1	...	...	...	* 27.410	+ 6.690	1.00	...	...
...	10.883	- 36.369	- 4	<i>m</i>	...	...	19.813	- 15.503	- 5	<i>m</i>	...	...	27.425	- 51.786	- 4	...	...
...	+ 10.908	- 43.015	0.70	...	...	...	+ 19.902	- 33.467	- 5	<i>m</i>	...	...	+ 27.616	- 12.743	0.70	...	...
...	10.995	- 50.279	- 4	...	...	...	† 19.947	+ 40.047	- 1	...	...	...	28.053	- 28.760	0.70	...	...
...	11.035	+ 2.909	- 5	<i>m</i>	...	...	20.475	+ 28.792	- 4	...	...	...	28.139	- 5.071	0.70	...	...
...	11.285	+ 26.338	- 5	<i>m</i>	...	...	20.781	+ 11.047	- 4	...	...	...	28.409	+ 40.813	- 3	...	...
...	11.508	+ 43.233	- 1	...	...	...	20.843	+ 8.439	- 3	...	...	...	† 28.441	- 34.279	- 3	...	...
421	+ 11.605	+ 37.285	- 4	<i>m</i>	...	481	+ 20.907	- 6.436	- 5	<i>m</i>	...	541	+ 28.452	- 35.019	0.65	...	...
...	12.077	+ 30.259	0.70	...	...	...	20.953	+ 25.293	0.65	...	...	...	29.109	- 52.880	- 4	...	...
...	12.098	+ 38.829	- 5	<i>m</i>	...	...	21.134	+ 21.795	- 5	...	...	...	29.158	- 43.207	0.90	...	...
...	12.155	+ 39.228	- 5	<i>m</i>	...	...	21.144	- 54.398	- 1	...	...	...	29.827	+ 44.022	- 3	...	...
...	12.428	- 41.714	- 2	...	...	...	21.153	- 4.450	- 5	<i>m</i>	...	...	29.996	- 18.328	- 5	<i>m</i>	...
...	+ 12.619	- 41.866	- 4	<i>m</i>	...	...	+ 21.237	- 52.491	- 4	...	...	...	+ 30.431	- 47.572	- 2	...	...
...	12.884	- 10.963	0.65	<i>a</i>	...	...	21.278	- 36.022	- 5	<i>m</i>	...	...	30.433	+ 6.239	0.75	...	...
...	13.092	+ 29.778	- 3	...	...	...	21.361	+ 32.312	0.70	...	...	...	30.720	- 34.228	- 5	...	...
...	13.266	+ 28.265	0.80	...	...	...	21.497	+ 14.646	- 4	...	...	S *	30.870	- 52.454	1.50	44.9621	9.0
...	13.356	- 32.603	- 1	...	...	...	21.512	- 17.302	- 3	<i>m</i>	...	...	30.914	- 3.378	- 4	<i>m</i>	...
431	+ 14.252	+ 25.660	- 2	...	...	491	+ 21.522	+ 19.347	- 5	<i>m</i>	...	551	+ 31.026	+ 16.226	0.90	...	...
...	14.297	+ 32.038	- 1	...	...	...	21.525	+ 28.175	- 3	...	...	...	31.074	- 35.526	- 4	...	...
...	14.413	+ 0.584	- 1	...	...	...	21.726	+ 59.543	- 4	...	...	...	31.268	+ 34.001	- 5	<i>m</i>	...
...	14.702	- 46.557	- 5	<i>m</i>	...	...	22.209	+ 53.138	- 1	...	...	...	31.658	- 37.748	0.95	...	...
...	14.737	- 48.698	0.80	...	...	...	22.334	+ 22.210	0.70	...	...	...	31.659	- 4.998	- 5	<i>m</i>	...
...	+ 14.775	- 48.810	- 4	...	...	...	+ 22.377	- 51.069	- 3	...	...	S *	+ 31.977	+ 17.415	1.95	43.9045	8.7
...	† 15.095	+ 18.624	0.70	...	...	...	22.546	- 8.687	- 4	<i>m</i>	...	...	32.129	- 51.444	- 3	...	...
...	15.307	+ 19.719	- 5	<i>m</i>	...	...	22.654	- 53.203	- 4	...	...	...	32.205	- 33.972	- 4	...	...
...	15.602	+ 24.814	- 5	<i>m</i>	...	...	22.712	- 43.617	0.80	...	...	...	32.547	- 0.079	- 3	<i>f</i>	...
...	15.789	+ 31.461	- 4	...	...	...	22.798	- 7.518	- 5	<i>m</i>	...	...	32.567	+ 24.224	- 5	<i>m</i>	...
441	+ 15.962	+ 43.045	0.70	...	...	501	+ 22.991	- 38.652	- 4	...	...	561	+ 32.586	+ 33.118	- 5	<i>m</i>	...
...	* 16.291	- 27.673	0.85	...	...	...	23.081	- 21.724	- 3	...	...	...	* 32.672	- 35.704	1.00	...	...
...	16.440	- 11.645	- 1	<i>a</i>	...	...	23.084	- 35.559	- 5	<i>m</i>	...	...	33.132	+ 26.915	- 5	<i>m</i>	...
...	16.715	- 42.599	- 4	<i>m</i>	...	...	23.223	- 6.239	0.90	...	...	...	33.516	- 42.920	0.90	...	...
...	17.177	- 37.588	- 1	...	...	...	23.317	- 44.997	- 4	<i>m</i>	...	...	33.610	- 46.934	- 2	...	...
...	+ 17.297	- 33.484	- 5	<i>m</i>	...	...	+ 23.375	- 39.075	1.00	44.9617	10.0	...	+ 33.867	+ 26.598	- 5	...	...
...	17.390	+ 57.054	- 4	...	...	...	23.581	- 12.101	- 5	<i>m</i>	...	...	33.956	- 46.918	- 4	...	...
...	17.429	- 37.532	0.80	44.9614	10.1	...	23.915	- 13.685	- 5	<i>m</i>	...	...	34.218	+ 43.355	- 5	...	...
...	17.484	+ 25.578	- 5	<i>m</i>	...	...	23.931	- 20.389	- 3	<i>m</i>	...	...	34.561	+ 21.792	0.70	...	...
...	17.565	- 42.504	- 5	<i>m</i>	...	...	24.194	- 20.638	- 5	<i>m</i>	...	...	34.571	+ 49.674	- 1	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
571-620						621-670						671-691					
571	+34.578	-35.282	-4	...	...	621	+44.174	-53.317	-5	...	...	671	+54.738	-55.730	-5	e	...
...	34.583	+40.950	1.15	43.9046	10.0	...	44.634	-52.880	1.40	44.9623	9.8	...	54.901	-31.979	0.95	...	...
...	34.753	+48.862	-5	...	...	...	44.969	+3.955	-4	m	...	...	54.979	-37.665	-5	...	...
...	34.838	+36.884	-5	...	...	...	44.974	-29.385	-1	...	...	...	55.267	-29.040	-3	...	...
...	35.517	+11.872	-5	m	...	...	45.133	-13.682	0.80	...	...	...	55.934	-24.453	1.15	44.9628	10.1
...	+36.235	+33.724	1.00	43.9047	10.1	...	+45.280	+13.945	-5	m	...	...	+56.234	-35.001	-1	...	...
...	36.236	+1.173	-3	...	...	...	45.295	-38.569	-4	m	...	...	56.285	+18.492	-5	...	...
...	36.360	+24.511	1.00	...	...	...	45.367	+4.651	-3	...	...	...	56.431	-1.907	-5	e	...
...	36.574	+16.313	-4	...	...	...	45.386	-41.843	0.90	...	...	...	56.566	-7.284	0.90	...	...
...	36.657	+45.151	-4	...	...	...	45.404	+10.173	-4	...	...	...	56.609	+8.400	-5	...	...
581	+36.750	-2.837	-5	m	...	631	+45.511	+24.793	-5	m	...	681	+56.783	-53.965	-4	...	...
...	36.928	+27.907	-4	...	...	...	45.948	-9.970	-1	a	...	...	57.119	-45.223	0.65	...	...
...	37.158	+18.976	-3	...	...	...	46.005	-44.098	-3	...	...	...	57.508	-30.623	0.75	...	...
...	37.167	+58.127	-3	...	...	...	46.152	-25.611	-5	m	...	...	58.644	-13.528	-5	m	...
...	37.186	+22.973	0.70	...	...	...	46.254	-19.157	1.00	44.9624	10.1	...	58.800	+14.801	-1	...	...
...	+37.212	+33.961	-4	...	...	...	+46.663	-48.156	-4	...	...	...	+58.910	+56.137	0.65	...	...
...	37.449	-15.594	-5	m	...	...	46.668	-5.500	-5	m	...	...	58.953	-27.536	-2	...	...
...	37.541	+26.895	0.85	...	...	...	46.744	+15.432	-1	...	...	...	59.619	+24.022	-1	...	...
...	38.092	-58.685	1.10	45.9768	10.1	...	46.896	+45.876	-3	...	...	...	59.781	-12.811	0.70	...	...
...	38.558	-40.631	0.85	...	...	...	47.121	+15.057	-3	...	...	...	59.838	-10.230	0.75	...	...
591	+38.565	+51.071	0.65	...	...	641	+47.632	+54.266	-1	...	...	691	+59.845	+33.165	-5	e	...
...	38.979	+53.180	-1	...	...	...	47.791	+37.469	1.50	43.9050	9.4	...	...	...	...	...	...
...	39.330	-45.580	1.05	44.9622	10.0	...	47.804	-32.128	-4	e	...	...	...	...	...	...	...
...	39.728	-26.415	-1	...	...	...	48.244	+34.486	0.70	...	...	...	...	...	...	...	...
...	40.290	+11.097	-2	...	...	...	49.005	+49.292	0.85	...	...	...	...	...	...	...	...
...	+40.590	-2.594	0.65	...	...	...	+49.820	-36.265	1.40	44.9625	9.7	...	...	...	...	...	...
...	40.620	+12.172	-1	...	...	...	49.848	-55.964	-1	...	...	...	...	...	...	...	...
...	40.806	-39.177	0.85	...	...	...	50.352	-17.840	-1	e	...	...	...	...	...	...	...
...	40.872	+14.759	-5	m	...	...	50.395	-43.310	1.00	...	...	...	...	...	...	...	...
...	41.291	-2.678	-5	m	...	...	50.613	-30.431	-2	e	...	...	...	...	...	...	...
601	+41.398	+37.591	-5	...	...	651	+50.668	+20.216	-2	...	...	...	...	...	...	...	...
...	41.411	+2.389	-5	m	...	...	50.784	-1.788	-5	m	...	...	...	...	...	...	...
...	41.453	-31.421	-5	m	...	...	50.814	-3.785	-5	e	...	...	...	...	...	...	...
...	41.771	+11.328	0.70	...	...	...	50.947	-20.757	-1	...	...	...	...	...	...	...	...
...	41.894	+24.394	1.30	43.9048	9.6	...	51.466	+36.896	-5	...	...	...	...	...	...	...	...
...	+42.090	-20.359	-4	m	...	...	+51.546	+10.893	-5	e	...	...	...	...	...	...	...
...	42.543	-1.509	-1	a	...	...	51.556	-34.279	-3	...	...	...	...	...	...	...	...
...	42.605	-27.098	0.80	...	...	...	51.616	+36.566	-3	...	...	...	...	...	...	...	...
...	42.642	+3.372	1.20	43.9049	9.4	...	51.637	-42.889	-3	...	...	...	...	...	...	...	...
...	42.981	-56.594	-1	...	...	...	52.121	+6.919	-3	...	...	...	...	...	...	...	...
611	+43.340	-49.590	-5	m	...	661	+52.247	+1.586	1.00	44.9626	10.1	...	...	...	...	...	...
...	43.421	-30.719	-5	m	...	...	52.663	-33.648	0.75	...	...	...	...	...	...	...	...
...	43.461	-27.239	0.70	...	...	...	52.746	-5.896	-3	e	...	...	...	...	...	...	...
...	43.462	+33.337	0.70	...	...	...	53.180	-3.722	1.00	44.9627	10.1	...	...	...	...	...	...
...	43.506	-3.425	0.85	...	...	...	53.228	+33.853	0.85	...	...	...	...	...	...	...	...
...	+43.516	+16.933	-1	...	...	...	+53.550	+36.229	1.05	43.9051	10.1	...	...	...	...	...	...
...	43.631	-52.317	-4	...	...	...	53.846	+11.603	0.70	...	...	...	...	...	...	...	...
...	43.865	+24.444	-5	m	...	...	53.894	+48.112	-5	...	...	...	...	...	...	...	...
...	44.005	+15.206	-5	m	...	...	53.900	-33.860	-5	e	...	...	...	...	...	...	...
...	44.060	-52.813	-5	m	...	...	54.178	-20.007	0.65	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-60																		
I	...	-59.799	-48.358	-5	...	61	...	-46.915	+59.235	-4	...	121	...	-34.667	-3.043	-3	...	
...	...	59.145	-32.304	-5	E	...	...	46.797	+38.530	-5	...	...	...	34.617	+56.964	1.00	...
...	...	57.867	+20.115	-3	...	...	...	46.734	+31.511	0.70	...	...	...	34.447	-22.511	-4	...
...	...	57.561	+36.805	-5	...	S*	...	46.634	+41.155	1.75	43.9053	9.4	...	34.279	+7.867	-4	...	
...	...	57.438	+36.471	-4	...	...	...	46.488	+28.948	-4	...	...	...	33.992	-9.347	-4	...
...	...	-57.034	-17.941	-2	E	...	...	-46.352	+20.119	-4	...	...	...	-33.745	+6.516	-4	...
*	...	57.001	-36.366	1.70	44.9625	9.7	...	46.195	+24.350	0.75	...	...	...	32.980	-46.359	0.65	...
...	...	56.986	+3.877	-5	E	...	...	46.084	+18.395	-5	M	...	...	32.829	-19.836	-3	...
...	...	56.708	+10.813	-5	E	...	...	45.598	-53.268	1.30	44.9629	9.8	...	32.573	-52.902	-3	...
...	...	56.379	-30.512	-3	E	...	...	45.523	+24.735	-5	...	...	...	32.215	+9.861	0.90	...
II	...	-56.374	-56.052	-2	...	71	...	-45.273	+3.855	-3	...	131	...	-31.864	-5.382	-4	M	
...	...	56.344	-16.169	-5	M	...	...	45.069	+3.807	0.70	...	...	...	31.708	+27.952	-2	...
...	...	56.334	-20.831	-1	...	...	...	44.919	+1.795	0.85	...	...	...	31.533	+11.819	-5	...
...	...	56.215	-43.301	0.95	...	...	...	44.808	-52.885	-4	...	...	...	31.413	+27.796	-2	...
...	...	56.020	+6.858	-3	...	...	...	44.713	-0.019	0.75	F	...	*	31.368	-54.494	1.10	44.9634
...	...	-56.001	+22.354	-5	...	...	...	-44.376	+26.491	-3	...	...	...	31.099	-12.361	-5	M
...	...	55.974	-40.019	-5	M	...	...	44.067	-23.611	-4	...	...	...	-30.950	+53.017	-4	...
*	...	55.735	+1.536	0.95	44.9626	10.1	...	43.580	-19.699	-4	M	...	...	30.908	-22.381	-5	M
...	...	55.721	+33.816	0.85	...	...	...	43.274	+57.712	0.75	...	...	...	30.739	-46.010	-4	...
...	...	55.490	+48.081	-5	...	...	...	42.818	-47.391	-4	...	...	...	30.585	-11.939	-3	...
21	...	-55.479	+36.199	0.95	43.9051	10.1	...	-42.798	+1.180	-5	...	141	...	-30.022	-42.306	-4	...	
...	...	55.333	-34.329	-3	...	...	...	42.608	-12.901	-3	...	...	...	29.917	+55.280	-5	...
...	...	55.002	-5.921	-4	E	...	...	42.561	+48.113	-5	...	...	*	29.795	+23.994	1.40	43.9058
...	...	54.991	-42.939	-4	...	...	...	41.996	+38.009	-5	...	...	...	29.719	+28.625	-4	...
*	...	54.634	-3.741	0.95	44.9627	10.1	...	41.983	+29.843	1.25	43.9054	10.0	...	29.458	+43.522	-5	M	
...	...	-54.432	+11.594	-1	...	...	...	-41.614	+56.251	-5	...	...	...	-29.192	-34.115	-2	...
...	...	54.250	-33.669	0.70	...	...	...	41.452	-28.071	-4	...	...	*	28.973	+37.082	0.95	...
...	...	54.160	+42.592	-5	...	...	...	41.385	+55.828	-4	...	...	...	28.594	+27.331	-3	...
...	...	53.141	-19.992	-3	...	...	...	40.636	+58.806	1.90	43.9055	9.4	...	28.361	-37.601	-5	M
...	...	53.006	-33.837	-5	E	...	...	40.597	+46.853	0.65	...	...	...	28.283	+21.188	-4	...
31	...	-52.964	+28.258	-5	M	...	91	-40.427	-38.179	2.10	44.9630	8.4	151	...	-27.800	+34.067	-4	...
...	...	52.687	+46.567	-5	...	...	...	40.252	+30.257	0.90	43.9056	10.1	...	27.428	-9.107	-3	...
...	...	52.201	+18.558	-5	...	...	...	40.056	-5.135	-4	...	...	...	27.302	+58.770	-3	...
...	...	52.059	-31.935	0.80	...	...	...	40.006	+46.255	-5	...	...	...	27.188	-24.674	-3	...
...	...	52.034	-26.595	-5	M	...	...	39.902	+11.261	-2	...	...	...	-26.682	+12.675	-4	...
...	...	-51.803	-37.611	-5	...	...	...	-39.715	-27.524	0.85	...	...	...	26.583	-42.630	-3	...
...	...	51.779	-28.975	-4	...	...	...	39.401	-32.947	-5	...	...	...	26.441	+20.963	-5	...
...	...	51.563	+8.468	-5	...	...	...	39.397	-23.359	-5	M	...	...	26.332	-51.401	-4	M
...	...	51.489	-55.673	-5	E	...	...	39.244	-41.214	1.20	44.9631	9.6	...	26.125	+3.440	-3	...
...	...	51.431	-1.838	-5	E	...	...	39.146	+13.357	-5	M	...	161	26.091	-57.136	0.90	...
41	...	-51.248	-24.384	1.15	44.9628	10.1	101	-38.916	+24.465	-3	A	...	...	-25.838	+23.013	-4	...
...	...	51.140	-7.205	0.80	...	...	...	38.869	+50.322	-3	...	...	...	25.710	+35.318	-4	...
...	...	50.985	+56.918	-5	...	...	...	38.568	-39.011	-4	...	...	...	25.446	+0.941	-5	...
...	...	50.780	-46.659	-5	M	...	...	38.351	+6.053	-3	...	...	...	25.262	+30.557	1.40	43.9059
...	...	50.732	+56.255	1.00	...	...	...	38.278	-38.802	-3	...	...	...	24.928	-44.436	1.00	44.9635
...	...	-50.613	-34.911	-4	...	...	...	-38.217	-16.231	-5	M	...	...	-24.498	+6.291	-4	M
...	...	49.577	+14.939	-3	...	...	...	37.891	+13.445	-5	...	...	...	24.062	-57.287	-5	M
...	...	49.510	-53.858	-4	...	...	...	37.869	+20.358	-5	...	...	...	23.614	-31.274	-4	M
...	...	49.487	-30.502	-2	...	...	...	37.622	-42.956	-2	...	...	...	23.490	-58.188	-4	...
...	...	49.434	-45.106	-1	...	...	...	37.600	+21.580	-5	...	...	...	23.451	+54.074	-4	...
51	...	-49.092	+33.315	-5	E	...	111	-37.105	+3.857	-1	...	171	...	-22.982	-1.451	-5	M	
...	...	49.044	+24.182	-2	...	...	...	37.034	-41.401	-5	M	...	...	22.847	-34.318	-4	...
...	...	48.913	-57.127	-5	M	...	...	36.945	+37.493	1.00	...	...	*	22.744	-41.832	2.40	44.9636
...	...	48.131	-27.365	-5	...	...	...	36.210	-22.373	2.90	44.9632	8.0	...	22.452	-16.707	-2	...
...	...	48.124	-58.839	-5	M	...	...	35.784	-28.843	-4	...	...	*	22.141	+28.466	1.00	43.9060
*	...	-47.868	+58.852	1.70	43.9052	9.8	...	-35.738	-32.572	1.80	44.9633	9.0	...	-21.893	+45.610	-3	...	
...	...	47.780	-10.050	0.65	...	...	...	35.579	-32.357	-4	...	...	...	21.825	+32.968	-4	...
...	...	47.757	-12.631	-1	...	...	...	35.260	+34.502	0.70	...	...	...	21.516	-46.332	0.80	...
...	...	47.628	+1.871	-2	...	...	S*	34.993	+19.256	1.80	43.9057	9.0	*	21.483	-0.866	1.00	44.9637
...	...	47.215	+26.934	-2	...	...	...	34.782	+19.072	-3	...	...	...	21.442	+7.599	-3	...

ES measured from 1, 187, 339.
MC " " 93, 280, 436.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-21'334	-43'176	-5	...	...	241	-5'758	+29'771	-5	...	...	301	+6'708	+33'240	-3	...	...
*	21'319	+34'498	1'60	43.9061	9'0	...	5'555	+20'257	-5	...	...	...	6'718	-47'230	-4	...	...
*	21'082	+50'665	1'40	43.9062	9'5	...	4'780	+53'538	-5	M	...	...	6'858	-51'889	-4	...	...
...	20'821	+38'333	-4	...	...	...	4'712	+26'524	-2	...	...	...	7'360	-25'921	-5	m	...
...	20'543	+26'711	-3	...	...	...	4'662	+26'615	-5	M m	...	...	7'915	+37'846	-4	...	...
...	-20'409	-5'585	-3	...	...	...	-4'465	+28'070	-5	...	...	...	+8'368	+23'682	-3	...	...
†	19'856	+14'887	-5	...	...	...	4'220	+27'999	-3	...	...	...	8'420	-22'876	-3	...	...
...	19'737	+24'206	-4	...	...	*	4'207	-16'874	1'25	44.9639	9'6	*	9'016	+7'657	2'00	43.9070	8'6
...	19'390	-54'392	-5	M	...	...	4'146	-10'780	-5	M m	...	*	9'251	-58'786	1'00	45.9793	10'2
...	19'268	+46'095	-1	...	...	...	3'860	+57'241	-5	M m	...	...	10'493	+31'387	-4	...	...
191	-19'249	+38'307	0'75	...	...	251	-3'751	+58'193	-5	M m	...	311	+10'594	+48'997	-4	...	...
...	17'793	+12'762	-5	...	...	...	3'731	-55'999	-5	M m	...	...	10'619	-22'951	-5	m	...
*	17'562	+59'041	1'00	43.9063	10'3	...	3'634	+6'094	-5	M m	...	...	10'639	+53'869	-1	...	...
...	17'501	-5'430	-5	...	...	...	3'601	-20'136	-1	...	...	...	10'778	+15'036	0'90	43.9071	10'3
...	17'319	-30'766	-3	...	...	...	3'549	-37'600	-5	M m	...	*	11'055	+13'667	1'00	43.9072	10'0
*	-17'109	+35'615	1'10	43.9064	10'0	...	-3'373	+53'086	-4	...	...	...	+11'752	-58'062	-4	...	...
...	17'087	-3'398	-5	M	...	...	3'349	-22'003	-4	m	...	...	11'999	+26'633	-5	...	...
...	16'959	-0'162	-4	M	...	*	3'329	-17'438	1'05	44.9640	10'0	*	12'256	+17'776	1'00	43.9073	10'0
...	16'869	+43'344	-5	M	...	...	3'267	-5'585	-5	M m	...	...	13'601	+40'496	-3	...	...
...	16'688	+34'994	-1	...	...	...	3'164	-48'707	-5	M m	...	...	13'769	+27'799	-1	...	...
201	-16'519	-57'695	-5	M	...	261	-3'152	-25'738	-5	M m	...	321	+13'828	-33'747	-2	...	...
...	15'753	+18'746	-5	...	...	...	2'994	+10'203	-2	...	...	...	14'421	+21'333	-3	...	...
...	15'186	-36'522	-5	M	...	...	2'913	-36'478	-5	M m	...	...	14'955	+38'873	-2	...	...
...	14'070	+55'611	0'70	...	...	...	2'690	-34'060	-1	m	...	...	15'005	-11'522	-4	m	...
...	13'955	-6'942	-5	M	...	...	2'579	-22'354	-5	m	...	...	15'522	-21'775	-2	...	...
...	-13'688	-51'687	-3	...	...	...	-2'494	-43'696	-5	M m	...	†	+15'972	+54'881	-4	...	...
...	13'665	+35'819	-5	...	...	...	2'330	-27'798	-1	...	...	*	16'080	-48'734	1'40	44.9643	9'0
...	13'350	+37'174	-4	...	...	...	2'038	+33'984	-2	...	...	...	16'393	+47'347	-5	...	...
...	12'706	+30'875	-4	...	...	...	1'750	+10'771	-5	M	...	...	16'535	+36'885	-2	...	...
*	12'690	-56'132	1'20	44.9638	10'0	...	1'743	+31'240	-5	...	...	...	16'685	-48'820	-3	...	...
211	-12'589	+40'727	1'35	43.9066	9'5	271	-1'323	+48'553	-5	M m	...	331	+17'110	+12'415	-5	...	...
*	12'535	+27'380	2'30	43.9065	8'8	*	1'274	-33'292	1'00	44.9641	10'3	*	17'145	-29'673	1'00	44.9644	9'6
...	12'230	+33'488	-5	...	...	...	1'154	+9'650	-1	...	...	*	17'423	-51'327	0'90	...	...
...	11'912	-50'525	-5	M	...	...	0'847	+46'809	1'00	43.9067	10'2	...	17'522	-38'961	-5	m	...
...	11'889	-11'808	-1	...	...	...	0'836	+0'824	1'00	44.9642	10'3	...	18'163	+49'063	-5	m	...
...	-11'739	+12'442	-5	...	...	...	-0'689	+54'688	-5	M m	...	...	+18'526	-57'361	-4	...	...
...	11'264	-58'661	-4	...	...	...	0'641	+12'991	-5	...	...	...	18'806	-2'235	-5	m	...
...	11'228	+2'275	-5	...	...	...	0'476	-14'313	-5	M m	...	...	19'228	+33'528	-3	...	...
...	10'558	+36'138	0'75	...	...	...	-0'460	+7'515	-5	m	...	...	19'949	-58'047	0'90	45.9798	10'2
...	9'903	+30'734	0'70	...	...	...	+0'200	-28'985	-4	...	...	S *	20'004	-29'129	2'05	44.9645	8'3
221	-9'775	-17'468	-2	...	...	281	+0'290	-46'507	-2	...	...	341	+20'193	-47'879	-5	m	...
...	9'082	+38'746	-5	M	...	...	1'104	+0'377	-5	M	...	...	20'301	-51'060	-1	...	...
*	8'925	+54'673	0'85	...	...	...	1'442	-43'395	-5	M m	...	...	21'126	-32'620	-5	...	...
...	8'576	-45'337	-4	...	...	...	1'587	-6'632	-1	...	...	...	21'558	+37'788	-2	...	...
...	8'479	+22'140	-5	...	...	...	1'620	+54'517	-2	...	...	...	21'644	-8'246	-4	m	...
...	-8'464	+8'600	0'80	...	...	...	+1'682	+43'485	-3	...	...	...	+21'654	-29'751	-5	m	...
...	7'713	-9'249	-4	...	...	...	1'743	+57'135	-4	...	...	*	21'681	+0'864	1'60	44.9646	9'2
...	7'674	+48'989	-3	...	...	...	1'978	+36'669	-4	...	...	...	22'043	+57'284	0'70	...	...
...	7'518	+51'325	-5	...	...	...	2'503	-5'623	-5	M m	...	...	22'297	-28'795	-5	m	...
...	7'399	+54'190	-5	...	...	...	3'447	+55'011	-4	M	...	...	22'438	-42'403	-3	...	...
231	-7'395	+48'365	-1	...	...	291	+4'136	-39'990	-4	M m	...	351	+23'025	-11'675	-5	m	...
...	7'271	-51'472	-4	...	...	S †	4'461	+24'775	3'50	43.9068	7'1	...	23'110	+10'646	-4	...	...
...	7'122	-21'866	-3	...	...	...	4'727	+34'087	-3	...	...	...	23'170	+23'036	-3	...	...
...	6'891	-13'029	-5	M	...	...	5'476	-32'883	-4	M m	...	...	23'409	+43'074	-5	...	...
...	6'687	-21'240	-2	...	...	...	5'664	+15'010	-4	...	...	*	23'460	-24'543	1'00	44.9647	10'0
...	-6'226	-10'978	-5	M	...	...	+5'824	-12'697	-5	M m	...	*	+23'584	-53'935	0'85	44.9648	10'3
...	6'210	-51'365	-3	m	...	...	5'986	-57'894	-4	m	...	...	23'971	-31'289	-5	...	...
...	6'201	+57'937	-1	...	...	...	6'193	+43'527	1'00	43.9069	10'3	...	24'153	-43'798	-5	...	...
...	6'102	-33'483	-4	...	...	...	6'254	+56'875	-4	...	...	...	24'666	+47'077	-5	...	...
...	5'850	+10'556	-5	M	...	...	6'482	+22'161	-5	...	...	...	24'978	+31'750	-4	...	...

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
361-420						421-480						481-536							
36I	...	...	...	...	...	42I	...	...	...	...	...	48I	...	...	...	...	...
...	+25.251	+43.915	-3	...	...	...	+36.819	-51.714	-4	...	...	...	+47.619	-11.356	1.00	44.9659	10.2	
...	25.386	-31.032	-4	...	...	...	37.411	-32.695	-5	m	...	...	...	47.649	-18.234	-5	e	...
...	25.493	-27.864	-3	...	...	...	37.666	+47.323	0.65	...	...	...	...	48.246	-16.248	-5	m	...
...	25.498	-41.343	0.65	...	...	...	37.883	+55.040	-5	...	...	...	...	48.738	-26.622	-4	e	...
...	25.540	+58.103	-5	...	...	...	37.966	-2.360	2.00	44.9654	8.6	S *	...	48.762	+35.358	1.00	43.9083	9.6
...	+25.702	+57.735	-5	...	...	...	+38.008	-32.385	-5	m	...	...	...	+48.835	-55.707	-5	...	...
...	26.087	-51.256	-3	...	...	...	38.172	+0.449	0.95	44.9655	10.2	...	...	49.181	+21.683	1.00	43.9084	10.0
...	26.254	-7.818	-5	m	...	...	38.298	+9.409	-4	...	...	...	...	49.418	-33.306	-5	e	...
...	26.393	+7.606	-3	...	...	...	38.404	+41.687	1.05	43.9078	10.0	...	...	49.464	+21.726	1.20	43.9085	9.6
...	* 26.430	-36.683	1.00	44.9649	10.0	...	38.696	+49.622	0.65	...	...	...	...	49.842	-31.398	-4	e	...
37I	...	...	...	...	...	43I	...	...	...	...	...	49I	...	...	...	...	...	...
...	+26.603	+35.105	-3	...	...	...	+38.734	+5.150	-5	m	...	...	...	+49.942	-3.894	-2	...	...
...	26.908	-34.732	-4	...	...	...	38.749	-42.024	-4	...	...	...	...	50.362	-45.886	-3	...	...
...	27.301	-46.237	-5	m	...	...	38.907	-8.533	0.65	...	...	...	S *	50.402	+17.136	2.00	43.9086	8.3
...	27.361	+47.587	-3	...	...	...	39.307	-11.696	-4	...	...	...	...	50.730	+43.684	-4	...	...
...	27.571	+43.588	-3	...	...	...	39.496	+5.714	-4	...	...	...	...	50.904	+23.068	-1	...	...
...	+27.667	-18.625	0.85	44.9650	10.3	...	+39.725	+36.176	-4	...	...	...	...	+51.099	-31.241	-5	e	...
...	28.206	-32.081	-4	...	...	...	39.783	+50.370	-4	...	...	...	...	51.106	+50.526	-4	...	...
...	28.479	+36.755	-1	...	...	...	40.305	-17.973	-3	...	...	...	S *	51.187	-37.534	1.60	44.9660	8.9
...	28.840	-19.380	-5	m	...	...	40.537	-46.335	-2	...	...	...	...	51.731	+31.485	-5	...	...
...	* 29.144	+32.255	0.90	43.9074	10.3	...	40.678	-3.120	-4	m	...	...	...	51.816	+20.495	-3	...	...
38I	...	...	...	...	...	44I	...	...	...	...	...	50I	...	...	...	...	...	...
...	+29.172	-37.427	1.00	44.9651	9.8	...	+40.969	+1.401	0.90	44.9656	10.3	...	...	+52.251	-45.503	-5	e	...
...	29.275	+13.183	-5	...	...	...	41.192	+44.982	-4	...	...	...	S *	52.298	+40.982	1.30	43.9087	9.6
...	29.410	+43.105	-5	...	...	...	41.642	-35.347	-2	...	...	...	...	52.428	+53.025	-1	...	...
...	† 29.561	-42.497	-2	...	...	...	41.686	-53.489	-4	...	...	...	...	52.534	-16.652	-3	...	...
...	29.974	+43.632	0.65	...	...	...	* 41.701	+54.397	1.00	43.9079	10.2	...	...	52.652	+32.442	-5	...	...
...	+29.975	-12.989	-2	...	...	...	+41.918	-6.592	-4	m	...	...	...	+52.875	-14.048	-4	e	...
...	30.319	+28.442	-1	...	...	...	* 42.049	+45.146	1.00	43.9080	10.0	...	...	52.942	+35.545	-4	...	...
...	30.580	-38.862	-5	m	...	...	* 42.103	-3.748	0.95	44.9657	10.3	...	...	52.997	-28.905	-1	...	...
...	31.137	+44.636	-4	...	...	...	42.333	+6.101	-4	...	...	...	...	53.092	+6.923	-3	...	...
...	31.483	-19.644	0.65	...	...	...	42.568	+39.378	-4	...	...	...	...	53.461	+59.471	-5	...	...
39I	...	...	...	...	...	45I	...	...	...	...	...	51I	...	...	...	...	...	...
...	+31.867	-34.052	-2	...	...	...	+42.652	-35.072	-4	m	...	...	...	+53.790	+27.001	-5	...	...
...	31.923	+13.256	-4	...	...	...	42.720	-11.035	-4	m	...	...	...	54.679	-39.283	-2	...	...
...	32.174	+22.084	0.85	43.9075	10.3	...	42.891	+8.026	-4	...	...	...	S *	54.786	-13.590	0.90	44.9661	10.3
...	32.677	-58.348	-3	...	...	...	43.453	+51.658	-4	...	...	...	...	54.868	-5.890	-5	m	...
...	32.741	-59.226	-1	...	...	...	43.601	-46.608	-2	...	...	...	...	55.223	-19.405	-4	m	...
...	+32.853	+45.180	0.70	...	...	...	+43.661	+41.632	-3	...	...	...	...	+55.390	+36.157	-4	...	...
...	33.164	+50.710	-2	...	...	...	* 44.062	+47.610	0.90	43.9081	10.3	...	...	55.543	-18.423	-4	e	...
...	33.289	+19.420	0.85	43.9076	10.3	...	44.197	-28.916	-4	m	...	...	S *	55.596	-20.138	0.90	44.9662	10.3
...	33.312	+50.612	-4	...	...	...	* 44.284	+30.152	1.20	43.9082	9.5	...	...	55.600	+48.841	0.90	...	...
...	33.756	+36.683	0.80	...	...	...	44.347	+21.195	-5	...	...	...	...	56.393	-9.076	-4	e	...
40I	...	...	...	...	...	46I	...	...	...	...	...	52I	...	...	...	...	...	...
...	+34.025	+2.527	-5	...	...	...	+44.434	-32.412	-1	...	...	...	S *	+56.697	+22.785	1.40	43.9088	9.3
...	34.047	-51.658	-4	m	...	...	* 45.324	-45.301	1.00	44.9658	10.3	...	...	56.709	-42.627	-3	...	...
...	34.109	+23.246	-5	...	...	...	45.351	+15.603	-3	...	...	...	...	56.869	+1.106	-4	...	...
...	34.246	-35.782	-5	m	...	...	45.477	+47.759	-3	...	...	...	...	56.883	+20.421	0.85	...	...
...	34.342	+13.696	0.90	43.9077	10.3	...	45.614	+27.194	-2	...	...	...	S *	57.040	-3.229	0.90	...	...
...	+34.436	-1.674	-3	a	...	...	+45.873	+38.591	-5	...	...	...	...	+57.078	-44.498	-5	e	...
...	34.607	-19.507	-4	m	...	...	46.018	-31.039	-5	m	...	...	...	57.135	-41.270	-4	e	...
...	34.690	+56.754	-5	...	...	...	46.270	-27.833	-3	...	...	...	...	57.490	+38.957	-4	...	...
...	34.706	-15.713	-4	m	...	...	† 46.302	-15.057	-4	...	...	...	...	* 57.561	-31.219	1.00	44.9663	10.2
...	34.837	+47.534	0.65	...	...	...	46.373	-51.861	0.90	...	...	...	...	58.091	-31.750	0.85	...	...
41I	...	...	...	...	...	47I	...	...	...	...	...	53I	...	...	...	...	...	...
...	* 35.086	-54.111	1.00	44.9652	10.2	...	+46.422	-8.463	-4	m	+58.320	-57.650	-1
...	35.129	+54.233	-5	m	46.430	-9.714	-4	58.329	-7.968	-2
...	35.497	+1.135	0.70	46.523	-57.337	-3	58.594	-19.432	-4	e	...
...	* 35.501	-49.203	1.00	44.9653	10.2	...	46.661	-19.768	-4	58.777	-24.430	-4	e	...
...	35.504	+47.834	-1	46.873	+42.575	-1	S *	58.795	-37.745	1.00	44.9664	10.3
...	+35.513	-1.046	-4	+47.105	+6.428	-5	+59.158	-15.766	0.65
...	35.685	-52.666	-3	...	...	...	47.105	-32.766	-3	...	...	...	...	...	...	...	...	...
...	36.425	-19.580	-3	...	...	...	47.190	+15.772	-4	...	...	...	...	...	...	...	...	...
...	36.516	+28.215	-5	...	...	...	47.262	+6.141	-4	...	...	...	...	...	...	...	...	...
...	36.776	-49.468	-4	m	...	...	47.587	+45.605	-4	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	-59.983	-11.539	0.95	44.9659	10.2	61	-47.994	-37.581	1.00	44.9664	10.3	121	-33.136	+40.306	0.75	...	...
†	59.982	-52.071	-2	...	...	...	47.869	-57.490	-1	...	...	...	32.932	+29.490	-3	...	...
...	59.848	-32.953	-4	...	...	...	47.447	+22.401	0.70	...	...	*	32.734	+5.762	1.25	43.9096	9.8
...	59.755	-18.409	-5	E	...	...	47.349	-50.658	-5	M	...	...	32.647	-20.291	-4	...	...
...	59.664	-57.549	-3	...	...	...	47.241	+11.618	1.30	43.9089	9.2	...	32.644	+21.425	-3	...	...
*	-59.411	+21.523	1.00	43.9084	10.0	...	-46.736	+43.582	-2	...	...	...	-32.409	+10.590	-5	...	...
*	59.123	+21.571	1.30	43.9085	9.6	*	46.205	+19.247	1.00	43.9090	10.0	...	32.246	-44.235	-3	...	...
...	58.537	+43.563	-4	...	...	...	46.089	-0.583	-5	M	...	...	32.131	+1.265	-5	...	...
...	58.399	-26.766	-4	E	...	*	45.976	-2.227	1.70	44.9665	8.8	...	32.064	-30.770	-5	M	...
...	58.358	+50.417	-4	...	...	...	45.569	+33.008	-4	...	...	...	32.020	-10.694	-3	...	...
II						71						131					
S*	-58.044	+17.016	1.90	43.9086	8.3	...	-45.403	+28.464	-5	M	...	...	-31.998	-43.498	-5	M	...
...	57.880	-4.026	-2	...	...	*	45.231	+42.684	1.00	...	...	...	31.897	+32.206	-4	...	...
...	57.738	+22.952	-1	...	...	...	44.778	-24.700	-5	M	...	*	31.516	+38.884	0.95	43.9097	10.2
...	57.484	-33.424	-5	E	...	*	44.605	-4.088	1.10	44.9666	10.0	*	30.956	+38.479	0.90	43.9098	10.3
...	57.418	-55.833	-5	...	...	...	44.137	-15.522	-2	...	...	...	30.794	-21.006	-5	...	...
...	-57.166	+31.384	-5	...	...	...	-43.525	-20.427	-4	M	...	...	-30.667	+43.641	0.75	...	...
...	57.127	+52.948	-1	...	...	...	43.246	-24.388	-5	M	...	...	30.599	-50.729	-4	...	...
...	57.127	-31.521	-4	E	...	...	43.137	+13.713	-4	...	...	...	30.534	+50.040	-3	...	...
*	56.891	+40.919	1.20	43.9087	9.6	...	42.987	-50.922	-4	M	...	...	29.466	+25.644	-3	...	...
...	56.749	+20.420	-4	...	...	*	42.731	+25.679	1.00	43.9091	10.2	...	29.277	-34.145	-5	M	...
21						81						141					
...	-56.297	+59.418	-4	...	...	...	-42.012	-3.878	-5	M	...	...	-29.140	-42.727	-2	...	...
...	56.173	-45.984	-3	...	...	...	41.999	+18.210	-1	...	...	...	28.843	+29.627	-5	...	...
...	56.104	+5.536	-5	M	...	...	41.902	-6.259	-4	M	...	...	27.983	-57.322	0.65	...	...
...	56.086	+35.480	-3	...	...	...	41.841	+47.616	-5	...	...	...	27.936	-35.347	-4	M	...
...	55.891	-31.306	-5	E	...	...	41.627	+16.427	-2	...	...	...	27.719	-45.508	-5	M	...
S*	-55.601	-37.610	1.80	44.9660	8.9	...	-41.527	+41.263	-4	...	...	...	-27.604	-48.394	-5	M	...
...	55.064	+6.883	-3	...	...	...	41.281	-14.953	-3	...	...	...	27.336	-30.614	-5	M	...
...	54.910	-16.689	-4	...	...	...	41.141	+56.803	-1	...	...	*	27.320	-18.166	1.30	44.9670	9.6
...	54.638	-14.083	-4	E	...	...	41.141	+7.396	-2	...	...	†	27.130	-44.962	-3	...	...
...	54.311	-45.532	-5	E	...	...	41.012	-25.436	-5	M	...	...	27.003	-53.369	-2	...	...
31						91						151					
...	-54.082	-28.921	-2	...	...	...	-40.613	-29.831	-4	...	...	...	-26.918	+49.975	-2	...	...
...	53.810	+48.857	0.90	...	...	...	40.591	-48.171	-4	M	...	...	26.848	+32.756	-5	...	...
...	53.637	+36.166	-3	...	...	...	39.726	+36.815	-4	...	...	...	26.502	-56.772	-1	...	...
*	52.740	-13.565	0.90	44.9661	10.3	...	39.643	-48.839	-3	...	...	*	26.425	+42.705	0.95	43.9099	10.2
...	52.057	-39.244	-2	...	...	...	39.590	+23.434	+3	...	...	...	26.299	+56.493	-1	...	...
*	-51.924	+22.842	1.30	43.9088	9.3	...	-39.585	+9.416	-5	...	...	...	-26.276	+44.034	-5	M	...
...	51.830	-18.387	-4	E	...	...	39.564	+20.233	-4	...	...	...	26.137	+52.488	-5	M	...
*	51.736	-20.085	0.90	44.9662	10.3	...	39.353	-14.811	0.65	...	...	...	26.008	-30.799	-2	...	...
...	51.679	+20.488	0.80	...	...	...	39.194	+48.798	-5	...	...	...	25.588	-9.311	-5	M	...
...	51.636	+39.028	-3	...	...	...	38.474	+56.889	-3	...	...	...	25.132	-10.276	1.25	44.9671	9.6
41						101						161					
...	-51.265	-9.010	-5	E	...	...	-38.322	+34.181	-3	...	...	...	-24.906	-32.368	-5	M	...
...	51.091	+1.192	-5	M	...	...	37.862	+56.052	-4	...	...	...	24.783	-12.481	-3	...	...
*	50.795	-3.152	0.90	...	...	...	37.829	-11.225	0.65	...	...	...	24.334	-16.415	-5	M	...
...	50.462	+37.229	-5	...	...	...	37.535	-45.101	-5	M	...	...	24.279	-28.844	-3	...	...
...	49.929	-42.528	-3	...	...	...	37.429	+55.993	1.10	43.9092	10.0	*	24.240	+38.739	1.20	43.9100	9.6
...	-49.666	+2.036	-5	M	...	...	-37.401	+32.061	-5	...	...	...	-24.081	-11.876	0.80	...	...
...	49.547	-41.161	-4	E	...	*	37.162	-24.580	1.50	44.9667	9.5	...	23.591	+14.133	-5	...	...
...	49.507	-44.381	-5	E	...	†	36.867	+44.856	-4	...	...	...	23.503	+6.464	-4	...	...
*	49.444	-31.091	0.95	44.9663	10.2	*	36.560	-42.957	1.60	44.9668	9.4	...	23.324	-23.840	0.70	...	...
...	49.377	-7.830	-3	...	...	*	36.147	+47.599	1.10	43.9093	9.6	...	23.141	+43.827	-4	...	...
51						111						171					
...	-48.883	-31.610	0.75	...	...	...	-36.142	+33.410	-3	...	...	...	-22.919	-59.092	0.80	...	...
...	48.790	+16.513	-3	...	...	...	36.140	+19.092	-4	...	...	...	22.805	+5.807	-5	...	...
...	48.763	-19.287	-5	E	...	...	35.985	-27.762	-4	...	...	...	22.320	+31.795	-5	...	...
...	48.647	+9.330	-3	...	...	*	35.437	+23.613	1.20	43.9094	9.5	...	22.325	-58.440	-5	M	...
...	48.449	+33.077	-4	...	...	...	35.306	-39.618	-4	...	...	...	21.911	-47.980	-5	M	...
...	-48.403	+50.543	-5	...	...	†	-35.121	-30.919	0.65	...	...	...	-21.825	-55.701	-5	M	...
...	48.403	-24.268	-4	E	...	...	34.203	-52.397	0.70	...	...	...	21.706	-42.389	-5	M	...
...	48.313	-15.591	-2	...	...	S*	34.199	-48.781	1.50	44.9669	9.2	...	21.546	-55.197	0.70	...	...
...	48.126	-41.612	-5	M	...	...	34.143	+1.062	0.65	...	...	...	21.424	-30.992	-3	...	...
†	48.007	-59.860	-3	...	...	...	33.699	-53.453	-5	M	...	...	21.256	-56.740	-5	...	...

MC measured from 1, 185, 346.
ES 93, 259, 432.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		-3.	No.		Mag.	x.		y.	-3.		No.	Mag.		x.	y.	-3.	No.	Mag.
361-420						421-480						481-527					
361	+24·650	-10·659	-5	m	..	421	+38·011	+29·144	-3	..	..	481	+51·901	-42·464	-5	e	..
...	25·285	+21·001	-1	..	..	...	38·012	+59·258	-2	..	..	...	52·504	+15·475	-5	..	..
...	25·405	-16·784	-5	m	..	...	38·066	+23·651	-4	..	..	...	52·523	+54·946	2·00	43·9136	9·0
...	25·646	-42·192	0·80	..	..	SN*	38·100	+40·849	3·50	43·9128	7·7	...	52·557	-15·512	-3	..	..
...	25·824	-39·284	-5	m	..	*	38·465	+15·425	1·40	43·9129	9·3	...	52·660	+46·662	1·90	43·9137	9·0
...	+25·861	+57·398	-2	..	..	*	+38·630	+1·670	1·20	44·9696	9·6	...	+52·915	-19·255	-5	e	..
...	25·988	+43·446	-4	..	..	...	38·698	+9·325	-4	..	..	...	52·932	-11·850	-3	..	..
...	26·046	+44·668	-5	..	..	...	39·135	+50·466	-4	..	..	...	52·956	+14·460	0·70	..	..
...	26·317	+24·206	-3	..	..	...	39·339	-39·258	-4	m	..	...	52·971	+10·456	0·70	..	..
...	26·569	-36·933	-3	..	..	...	39·399	-2·718	-4	m	..	...	52·977	-58·195	0·75	..	..
371	+27·143	-57·023	-4	m	..	431	+39·683	-50·766	1·00	44·9697	9·8	491	+53·241	-47·328	-5	m	..
...	27·246	-30·199	-2	..	..	*	40·048	-31·229	1·20	44·9698	9·6	...	53·678	-43·766	-5	m	..
...	27·469	-58·114	0·85	45·9836	10·3	...	40·212	-18·017	-3	..	..	...	53·738	-15·679	-2	..	..
...	28·772	+38·841	-5	..	..	*	40·302	+36·412	1·60	43·9130	8·9	...	54·017	-37·323	0·90	44·9706	10·2
...	28·805	-43·159	-3	..	..	...	40·509	-12·720	-5	m	..	...	54·112	-51·002	-5	m	..
...	+29·000	+59·313	-4	..	..	...	+41·082	-1·409	0·80	..	..	...	+54·199	+27·189	-5	..	..
...	29·239	-36·191	-5	m	..	S*	41·248	-15·315	3·00	44·9699	7·7	*	54·482	+54·226	1·00	43·9138	10·2
...	29·316	+50·588	-5	..	..	...	41·599	-4·550	-4	m	..	...	54·550	-42·548	0·70	..	..
...	29·376	-29·324	-2	..	..	*	41·714	+37·182	1·40	43·9131	9·0	S ₊	54·725	-44·928	2·80	44·9707	7·3
...	29·783	-10·575	-4	..	..	...	41·929	-44·165	-4	m	..	...	54·827	-33·534	-4	m	..
381	+30·031	+42·132	-5	..	..	441	+42·167	+55·636	-4	..	..	501	+55·239	-17·720	-5	e	..
...	30·261	+53·118	0·65	..	..	...	42·339	-6·884	-5	m	..	...	55·262	+25·225	-5	..	..
...	30·824	+8·087	-4	..	..	...	42·369	-28·926	-2	..	..	...	55·681	-30·221	-5	e	..
...	30·847	-52·038	-3	..	..	*	42·641	-18·617	0·85	44·9700	10·2	...	55·755	-36·829	-3	..	..
...	31·140	+53·741	-4	..	..	*	43·070	-39·766	1·50	44·9701	9·4	...	55·813	+56·171	-5	..	..
...	+31·146	+40·892	0·80	..	..	...	+43·157	+58·638	-4	..	..	...	55·968	+55·972	0·65	..	..
...	31·191	+19·179	-3	..	..	...	43·385	+6·515	-2	..	..	...	55·990	+26·304	-5	..	..
*	31·203	-52·885	0·95	44·9691	10·3	...	43·449	-41·810	-3	..	..	...	56·051	-58·057	-5	..	..
...	31·432	-42·886	-4	..	..	...	43·869	+19·265	-3	..	..	...	56·247	-7·985	-5	m	..
...	31·531	-46·485	-4	..	..	...	44·180	-24·594	-4	..	..	...	56·595	+26·126	0·80	..	..
391	+31·662	+45·109	2·00	43·9125	8·8	451	+44·254	+43·786	-4	..	..	511	+56·595	-26·680	-5	m	..
*	31·975	-38·687	1·40	44·9692	9·4	...	44·507	-30·705	-5	m	..	...	56·709	-33·551	-3	..	..
...	32·438	-31·823	-5	m	..	...	44·538	+19·664	-5	..	..	...	56·833	-24·816	-3	e	..
...	32·560	+36·505	0·90	43·9126	10·3	...	44·990	-22·950	0·65	..	..	...	57·065	-2·798	-5	e	..
...	32·884	+19·266	-1	..	..	...	45·086	-23·029	-5	m	..	...	57·217	-34·347	-3	..	..
...	+33·142	+4·998	-4	..	..	...	+45·215	+12·753	-5	..	..	...	+57·271	-33·253	-3	..	..
†	33·142	+44·768	-4	..	..	*	45·289	+34·999	1·80	43·9132	9·0	...	57·332	-58·839	-5	e	..
...	33·346	-10·190	-3	..	..	...	45·327	-7·279	-4	..	..	...	57·358	-38·574	-5	e	..
...	33·379	+34·664	-5	..	..	...	45·664	+25·864	-5	..	..	*	57·482	+13·718	1·90	43·9139	9·0
...	33·662	+30·469	-5	..	..	...	46·341	-48·960	0·90	44·9702	10·3	...	57·538	+33·727	0·70	..	..
401	+34·400	+29·151	-3	..	..	461	+46·489	-39·014	0·75	..	..	521	+57·730	-9·815	-2	..	..
†	34·705	-15·782	-3	..	..	*	46·623	-39·155	1·20	44·9703	9·4	...	57·878	-30·429	-5	e	..
*	34·905	-57·302	1·80	45·9839	8·8	*	46·949	+29·096	1·20	43·9133	9·6	*	58·083	-52·356	1·20	44·9708	10·2
...	35·118	+50·426	-4	..	..	...	47·362	+19·565	0·85	43·9134	10·3	*	58·537	-27·505	1·05	44·9709	9·6
...	35·347	+29·955	-5	..	..	...	47·761	+37·747	-5	..	..	...	58·912	-12·282	-4	e	..
...	+35·421	-40·165	0·90	44·9693	10·3	*	+47·791	-57·580	0·85	45·9843	10·3	...	+59·168	-22·520	-2	..	..
...	35·607	+17·260	-4	..	..	...	48·140	+19·000	-4	..	..	*	59·473	-30·424	1·90	44·9710	8·8
...	36·076	+39·056	1·40	43·9127	9·0	...	48·205	+21·107	-5	..	..	...	...	...	...	...	...
...	36·375	-50·878	-4	m	..	*	48·927	-55·199	0·95	44·9704	10·2	...	...	...	...	...	...
...	36·765	-53·649	-4	m	..	...	49·205	-54·848	0·65	..	..	...	...	...	...	...	...
411	+36·875	+59·054	-5	..	..	471	+49·257	+51·864	2·10	43·9135	8·5	...	...	...	...	...	...
...	37·178	+52·476	-3	..	..	*	49·478	+54·366	0·65	..	..	...	...	...	...	...	...
...	37·217	+9·537	-4	..	..	†	49·679	-44·969	1·40	44·9705	9·3	...	...	...	...	...	...
...	37·431	-45·491	-2	..	..	...	50·402	-37·480	-1	..	..	...	...	...	...	...	...
...	37·474	-19·210	-3	..	..	...	50·581	+38·220	-1	..	..	...	...	...	...	...	...
...	+37·479	-38·715	-4	m	..	...	+50·809	-58·129	-5	m	..	...	...	...	...	...	...
*	37·547	-19·713	2·40	44·9694	8·2	...	50·901	+33·630	-5	m	..	...	...	...	...	...	...
...	37·572	-12·738	0·70	..	..	...	51·014	-41·158	0·80	..	..	...	...	...	...	...	...
...	37·890	-31·095	-4	..	..	...	51·063	+48·568	-5	..	..	...	...	...	...	...	...
...	37·936	-32·215	0·95	44·9695	10·3	...	51·389	+55·087	-5	..	..	...	...	...	...	...	...

424. Re-measure 1913, y = +40° 866.

Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I	...	...	...	...	...	6I	...	...	...	...	...	12I	...	...	...	...	...
...	-58·529	+38·085	0·80	...	...	*	-46·143	-13·556	1·50	44·9711	8·9	...	-35·902	+38·550	-4	...	...
...	58·395	-57·758	1·05	45·9843	10·3	...	46·126	+23·190	-5	...	...	...	*	35·875	-6·519	0·90	...
...	58·334	+48·448	-5	...	...	...	46·030	-43·606	0·90	...	...	...	...	35·642	+38·965	0·85	...
...	58·215	+54·974	-5	...	...	...	46·005	-33·881	0·65	...	...	...	...	35·575	+7·967	0·65	...
...	57·518	-25·088	0·65	...	...	...	45·847	+28·494	0·80	...	...	...	...	35·312	+8·836	0·80	...
*	-57·337	-55·327	1·20	44·9704	10·2	*	-45·760	+11·352	1·10	43·9141	10·3	...	...	-35·303	+1·821	0·65	...
†	57·062	+54·890	1·80	43·9136	9·0	...	45·508	+31·670	-5	...	...	...	...	35·294	+14·994	0·70	...
...	57·056	-54·956	0·75	...	...	...	45·289	+31·818	0·70	...	...	*	...	35·192	-9·644	1·05	44·9715
*	56·875	-45·086	1·90	44·9705	9·3	*	45·247	-22·998	1·05	44·9712	10·3	*	...	35·178	+49·287	1·10	43·9146
*	56·699	+46·592	2·00	43·9137	9·0	†	45·092	-54·867	0·80	...	...	*	...	35·138	+12·308	0·95	...
II	...	...	...	...	...	7I	...	...	...	...	...	13I	...	...	...	...	...
...	-56·388	-37·575	0·80	...	...	...	-44·975	-13·331	0·65	A	...	...	...	-34·921	-17·560	-2	B
...	55·899	+15·411	-5	...	...	...	43·259	+3·868	-3	...	...	...	...	34·836	+14·263	-5	...
...	55·672	-41·229	1·05	...	...	...	43·183	-25·010	-3	M	...	...	...	34·546	-52·445	1·00	...
...	55·434	+14·428	0·95	...	...	...	42·626	-6·649	0·65	...	...	...	...	34·273	-1·179	-2	B
*	55·267	+10·426	0·95	...	...	...	42·426	+3·876	-2	...	...	...	...	33·804	+8·068	-2	A
*	-55·115	+54·226	1·25	43·9138	10·2	...	-42·426	-31·184	-3	M	...	...	...	-33·684	-39·586	-4	M
...	54·920	-15·546	0·70	...	...	*	42·366	+9·207	1·10	43·9142	10·0	S*	...	33·679	-6·906	1·80	44·9716
...	54·735	-42·499	-5	E	...	...	42·338	+26·867	-3	...	...	†	...	33·675	-24·854	0·80	...
...	54·412	-19·287	-2	E	...	...	42·022	+12·153	-2	...	...	...	...	33·641	-24·294	-2	B
...	53·724	-15·683	0·80	...	...	...	41·943	+1·409	-5	M	...	...	...	32·903	-43·600	-5	M
2I	...	...	...	...	...	8I	...	...	...	...	...	14I	...	...	...	...	...
...	-53·648	+56·009	0·85	...	...	...	-41·940	+39·637	-5	...	...	*	...	-32·632	-55·202	1·90	44·9717
...	53·439	+25·236	-5	...	...	...	41·782	-1·078	-5	M	...	...	...	32·146	+22·855	-5	...
...	53·194	-58·198	0·90	...	...	*	41·779	-32·888	1·05	44·9713	10·3	...	...	31·889	-54·084	-5	M
*	52·785	-37·304	1·10	44·9706	10·2	...	41·644	-30·071	0·65	...	...	...	...	31·770	-7·159	0·90	...
...	52·156	-17·661	-5	E	...	*	41·624	+56·507	1·35	43·9143	9·8	...	...	31·593	+10·945	-5	M
...	-52·119	+26·188	0·95	...	...	...	-41·567	-8·163	-5	M	...	*	...	-31·498	-59·132	1·10	...
...	52·098	-42·500	0·75	...	...	...	41·296	+21·588	-5	...	...	...	...	31·475	-39·186	0·70	...
S†	51·829	-44·886	2·80	44·9707	7·3	...	41·282	-3·396	-2	M	...	...	...	31·418	+29·758	-4	...
...	51·432	+33·818	0·90	...	...	...	41·214	-55·606	-5	M	...	...	...	30·654	+52·073	1·00	...
...	51·331	-30·147	-5	E	...	...	41·194	-29·361	-4	M	...	...	...	30·576	-21·386	0·70	...
3I	...	...	...	...	...	9I	...	...	...	...	...	15I	...	...	...	...	...
...	-51·063	-36·755	0·75	...	...	*	-41·148	+31·113	1·00	...	...	*	...	-30·082	-11·635	1·10	...
*	50·870	+13·817	1·60	43·9139	9·0	*	40·907	-42·396	0·90	...	...	...	...	29·928	-45·900	-5	M
...	50·788	-2·703	-3	E	...	*	40·868	+32·293	1·00	...	...	...	...	29·767	-43·191	-5	...
...	50·338	-24·719	-1	E	...	*	40·790	+26·737	1·20	43·9144	9·6	*	...	29·465	+47·295	1·70	43·9148
...	50·198	-33·446	0·70	...	...	*	40·622	-4·473	0·90	...	...	...	...	29·373	-15·475	-5	M
...	-50·111	-57·957	-5	...	...	...	-40·317	+26·302	-5	M	...	...	...	-28·599	-33·341	-4	M
...	49·898	-9·679	0·70	...	...	*	40·309	-11·862	0·90	...	...	*	...	28·238	-8·825	1·00	44·9718
†	49·677	-34·219	0·65	...	...	S*	39·874	+47·691	2·80	43·9145	7·6	*	...	27·923	+39·721	1·50	43·9149
†	49·625	-33·143	-1	...	...	†	39·658	+20·441	0·90	...	...	...	...	27·795	+21·463	0·65	...
...	49·446	+56·318	-1	...	...	†	39·646	+20·791	0·70	...	...	...	...	27·501	-36·088	-4	M
4I	...	...	...	...	...	10I	...	...	...	...	...	16I	...	...	...	...	...
...	-49·394	-38·451	-5	E	...	...	-39·466	-27·538	0·70	...	...	...	...	-27·186	-46·447	0·80	...
...	49·148	-30·285	-5	E	...	...	39·245	-13·485	-5	M	...	...	...	26·552	-45·938	0·90	...
...	48·829	-58·703	-5	E	...	...	39·192	+48·583	0·90	...	...	...	...	26·520	-2·418	-5	M
...	48·744	+38·019	0·90	...	...	...	38·910	+1·662	0·70	...	...	...	...	26·433	+28·650	-4	...
...	48·653	-12·127	-2	E	...	...	38·849	+30·679	-2	...	...	...	...	26·237	+34·520	-4	...
*	-48·561	-27·361	1·20	44·9709	9·6	*	-38·711	-18·332	0·90	...	...	...	...	-25·950	+11·086	-5	M
*	48·268	-52·200	1·25	44·9708	10·2	...	38·197	+32·220	-1	...	...	...	...	25·945	-8·427	0·70	...
...	48·111	+36·796	-5	M	...	...	38·160	-6·734	-5	M	...	...	...	25·913	+24·162	0·80	...
...	48·072	-22·350	0·80	...	...	...	38·137	+57·588	0·70	...	...	S*	...	25·748	+9·536	2·00	43·9150
...	47·839	+23·927	-3	...	...	...	37·801	+36·360	-5	...	...	*	...	25·693	-18·438	0·95	...
5I	...	...	...	...	...	11I	...	...	...	...	...	17I	...	...	...	...	...
...	-47·721	+9·454	0·70	...	...	...	-37·783	+32·275	-5	M	...	...	...	-25·573	-39·088	0·70	...
...	47·664	-17·264	-3	M	...	...	37·768	-33·940	-5	M	...	...	...	25·554	+10·836	0·70	A
*	47·536	-30·237	1·80	44·9710	8·8	*	37·705	-52·493	2·80	44·9714	7·8	*	...	25·457	+23·414	1·10	43·9151
...	47·265	+5·898	0·80	...	...	...	37·590	-2·793	-2	B	...	...	...	25·137	-22·399	0·75	...
...	46·915	+29·473	-5	M	...	...	37·393	-34·652	-1	A	...	...	...	25·054	-18·867	-4	M
...	-46·906	+56·858	-1	...	...	...	-37·284	-25·310	-5	M	...	...	...	-24·957	-42·357	0·70	...
...	46·845	-43·167	-5	M	...	...	37·106	+2·560	-5	M	...	...	...	24·831	-57·219	0·95	...
...	46·671	+14·867	-2	...	...	...	37·096	-24·110	-5	M	...	...	...	24·210	-30·423	0·70	...
*	46·470	+14·770	1·00	43·9140	10·0	...	36·808	-28·458	-5	M	...	...	...	23·988	-29·026	0·80	...
...	46·177	+16·127	-5	M	...	...	36·315	-55·457	0·70	...	...	...	...	23·830	-45·231	-4	M

ES measured from 1, 202, 398.
 NM " " 99, 310, 486.

NM's measures rough and diameters 0·70 and 0·65 should generally be -2 to -4.

Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0·65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-23·509	+43·634	0·75	o	...	241	-12·640	+9·753	-1	o	...	301	-1·074	-51·479	0·70	o	...
...	23·425	-52·140	1·15	...	...	...	12·530	-10·215	1·05	44·9721	10·0	...	0·963	+19·291	0·85	...	...
...	23·199	+40·066	-4	...	...	...	12·032	-53·370	-3	M	...	...	* 0·869	-35·305	1·80	44·9725	8·6
...	22·936	-8·519	1·00	...	...	...	11·959	+35·099	-3	...	...	...	0·778	+37·051	0·65	...	...
...	22·847	+1·769	1·00	44·9719	10·3	...	11·056	+43·243	0·80	...	...	...	0·772	+18·630	-4	...	...
...	-22·583	+27·699	0·75	...	...	...	-10·747	+19·140	-4	...	...	...	-0·693	-38·932	0·65	...	...
...	22·387	-9·707	-5	M	...	...	10·412	-20·999	0·65	...	...	...	0·506	+43·489	-5	...	...
...	* 22·221	-30·462	1·10	44·9720	10·0	...	10·344	+16·808	-5	...	...	...	0·318	-25·043	0·75	...	...
...	† 22·186	+20·046	0·70	...	...	...	10·184	-55·833	0·65	...	...	...	-0·181	-7·691	-4	Mm	...
...	22·020	+18·577	-5	M	...	...	9·860	+33·164	-5	...	...	...	+0·412	+15·860	0·70	...	...
191	† -21·498	-14·868	0·70	B	...	251	† -9·770	+25·577	0·75	...	...	311	+0·668	+12·641	-4	Mm	...
...	21·409	-33·878	-5	M	...	...	9·590	+41·621	0·70	...	...	...	0·675	+20·737	-5	Mm	...
...	21·388	-43·481	0·90	...	...	...	9·587	+41·189	-5	M	...	...	0·820	-19·031	-4	Mm	...
...	21·307	+4·492	0·70	...	...	...	9·488	+36·645	0·70	...	...	...	0·826	+18·439	-1	Bm	...
...	21·191	+6·555	0·75	...	...	...	9·429	+16·117	-4	M	...	...	* 0·942	+27·506	1·00	43·9157	10·3
...	* -20·778	+1·469	0·90	...	...	...	-9·353	-5·133	-5	M	...	...	+1·216	-7·917	-2	Mm	...
...	* 20·622	+38·107	1·60	43·9153	9·5	...	9·235	-47·991	-2	...	...	...	1·398	-10·770	0·70	M	...
...	20·561	-31·580	0·65	A	...	...	8·930	-49·355	-4	M	...	...	1·437	+4·713	0·75	...	...
...	20·287	-53·282	-5	M	...	S*	8·780	-37·486	2·00	44·9722	8·3	...	1·698	+22·720	0·65	...	...
...	20·043	+50·279	-5	M	...	...	8·725	-4·327	-5	M	...	...	2·189	-19·451	-5	Mm	...
201	...	...	...	...	...	261	...	...	...	...	...	321	...	...	...	...	...
...	† -20·022	+14·755	0·70	...	...	...	-8·650	+5·156	0·65	...	...	...	+2·415	-0·873	-4	Mm	...
...	19·682	-53·279	-3	...	...	...	8·618	+21·753	-5	M	...	...	2·504	-54·450	0·85	...	...
...	* 19·553	+44·763	1·20	43·9154	9·6	...	* 8·537	-33·667	0·90	44·9723	10·3	...	* 2·555	+46·948	1·00	43·9158	10·2
...	* 19·507	-56·469	1·20	45·9861	10·2	...	8·449	+33·355	0·90	...	...	...	2·978	+12·995	-5	M	...
...	19·333	-38·033	-5	M	...	...	8·317	+17·012	-4	...	...	...	3·445	-32·884	-4	Mm	...
...	19·237	-21·481	-5	M	...	...	-7·817	+29·699	-5	M	...	...	+3·849	-34·385	0·80	m	...
...	* 19·098	+14·388	0·85	...	...	...	7·598	+1·795	-4	...	...	...	4·081	+23·602	-5	Mm	...
...	18·987	-10·202	-4	M	...	...	7·552	-51·387	-3	M	...	...	4·115	+17·483	-5	Mm	...
...	18·958	+6·168	-2	B	...	...	7·471	-52·203	-1	...	...	...	4·372	+9·612	-5	M	...
...	18·856	-15·943	0·70	...	...	S*	6·849	+30·379	1·60	43·9156	8·8	...	4·523	-25·064	0·80	...	...
211	...	...	...	...	...	271	...	...	...	...	...	331	...	...	...	...	...
...	* -18·720	+6·626	0·90	...	...	...	-6·324	+49·392	-3	...	...	...	+4·681	-29·574	-5	Mm	...
...	18·706	-16·018	0·80	...	...	...	6·095	+50·301	-5	M	...	...	* 4·846	+34·745	1·00	...	...
...	18·692	-35·658	-3	M	...	...	* 5·885	-8·168	0·90	...	...	...	5·280	-6·357	0·70	Mb	...
...	18·641	-37·768	0·75	...	...	...	5·728	+58·969	-3	...	...	...	5·542	+12·899	-3	M	...
...	18·630	+36·847	-5	M	...	...	5·661	+19·308	0·65	...	...	...	5·668	+52·408	-5	m	...
...	-18·484	+20·196	-5	...	...	...	-4·935	+35·225	-3	Mm	...	...	+6·035	+57·190	-5	...	...
...	18·276	+26·157	-5	...	...	...	4·704	+6·664	-3	...	...	...	6·123	-19·552	-5	Mm	...
...	17·887	-14·797	-4	M	...	...	4·476	-25·255	0·80	...	...	...	6·491	-49·012	-5	Mm	...
...	17·749	+56·581	0·90	...	...	...	* 4·394	-21·702	0·90	...	...	...	6·499	-45·116	-1	m	...
...	17·436	-3·456	-5	M	...	...	4·384	+52·051	0·90	...	...	...	* 6·888	-53·353	1·10	...	...
221	...	...	...	...	...	281	...	...	...	...	...	341	...	...	...	...	...
...	17·381	+7·162	-5	M	...	...	-4·350	+6·522	-5	Mm	...	...	+6·947	-19·148	1·05	44·9726	10·0
...	17·130	-43·666	0·85	...	...	...	4·301	-43·628	-5	Mm	...	...	7·165	-15·509	-4	m	...
...	16·498	+49·452	-4	...	...	...	* 4·182	-56·164	1·00	45·9868	10·3	...	7·201	+4·462	-4	m	...
...	15·910	+48·470	-5	...	...	...	4·037	-37·406	0·70	...	...	...	7·364	+32·838	-3	...	...
...	15·806	-22·830	-5	M	...	...	3·901	-52·228	-4	Mm	...	...	7·668	-14·637	-4	m	...
...	* -15·766	-41·214	-5	M	...	...	-3·857	+24·413	-4	...	...	...	+8·079	+13·178	0·80	...	...
...	15·430	+15·934	0·90	43·9155	10·3	...	3·816	+10·336	-4	Mm	...	...	8·123	+20·820	0·70	...	...
...	15·252	-32·035	-5	M	...	...	3·660	-19·129	-5	Mm	...	...	8·326	-27·525	0·80	...	...
...	14·936	+48·169	0·90	...	...	...	3·267	-4·448	-4	Mm	...	...	8·857	+20·343	0·65	b	...
...	14·922	-2·369	-5	M	...	...	2·689	-31·991	-4	Mm	...	...	8·954	+21·798	0·70	...	...
231	...	...	...	...	...	291	...	...	...	...	...	351	...	...	...	...	...
...	14·605	-17·969	-5	M	...	...	-2·387	-24·775	-3	Mm	...	...	+9·081	+28·878	0·80	...	...
...	* 14·409	+19·343	0·90	...	...	...	2·314	+39·788	-2	...	...	...	S* 9·372	+5·793	1·60	43·9159	8·6
...	14·330	-35·045	-2	M	...	...	2·125	-39·963	-5	Mm	...	...	* 9·419	-16·959	0·90	...	...
...	14·116	-9·142	-5	M	...	...	1·891	-16·307	-5	Mm	...	...	* 9·427	+4·913	1·40	43·9160	9·5
...	13·848	-11·399	-5	M	...	...	1·861	+44·806	-1	...	...	...	9·484	+23·199	-1	...	...
...	-13·706	-36·759	0·65	...	...	...	-1·381	+51·933	-4	...	...	...	+9·578	-28·085	-5	...	...
...	13·695	-7·246	-5	M	...	...	* 1·376	-30·579	0·95	44·9724	10·2	...	9·582	+37·483	-5	m	...
...	† 13·489	+49·966	-1	...	...	...	1·217	+26·351	0·90	...	...	...	9·717	-45·147	-5	m	...
...	13·375	+7·512	-5	M	...	...	† 1·216	+24·957	-3	...	...	...	9·820	-33·655	0·80	...	...
...	12·709	+45·989	-4	...	...	...	1·155	-17·608	-5	Mm	...	...	* 9·985	-37·721	0·90	...	...

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-420						421-480						481-540					
361	+10.465	+43.865	0.85	o	...	421	+25.739	-24.214	0.70	o	...	481	+39.230	-25.242	-3	m	...
...	10.589	-26.356	-5	m	...	...	25.937	-16.596	0.90	...	...	...	39.237	+46.234	-5	...	...
...	10.927	+5.358	-5	m	...	...	26.150	-48.561	0.90	...	...	...	39.348	-22.987	-5	m	...
...	10.997	-8.698	-5	m	...	...	26.616	+51.157	-5	...	...	...	39.571	-3.410	-1	m	...
*	10.999	+26.441	1.00	43.9161	10.2	*	26.728	-12.541	2.00	44.9731	8.3	...	39.774	-3.655	-4	m	...
...	+11.062	+16.149	-4	...	...	...	+26.728	+30.815	-5	...	...	...	+40.527	+51.374	-5	...	...
S*	11.102	-28.742	2.10	44.9727	8.3	...	27.154	+16.697	-5	...	...	...	40.588	-43.079	-1	m	...
...	11.291	+3.143	-4	m	...	...	27.168	+22.993	0.70	...	...	...	40.675	+18.669	0.70	...	...
...	11.585	-40.237	-5	m	...	...	27.404	-56.677	-3	m	...	...	40.944	-29.143	0.85	...	...
...	11.868	+6.840	0.70	...	...	...	28.289	-33.130	-4	m	...	...	41.876	-3.189	1.10	44.9737	9.5
371	+12.170	+10.418	0.75	...	...	431	+28.521	-36.524	1.20	44.9732	9.6	491	+42.131	+5.972	2.80	43.9165	7.8
...	12.515	-18.153	1.00	44.9728	10.3	...	28.823	+4.464	-4	m	...	...	42.219	+11.668	-5	...	...
...	13.398	-45.065	-2	m	...	...	29.215	+10.695	0.80	...	...	...	42.296	-23.969	-2	m	...
...	13.641	-2.458	0.90	...	...	...	29.351	-18.862	-4	m	...	...	42.349	-16.119	-5	m	...
...	13.941	+3.957	-3	m	...	...	29.417	+19.235	-5	m	...	...	42.581	+49.585	0.65	...	...
...	+13.987	-15.551	-5	m	...	...	+29.433	-14.125	-5	m	...	...	+43.069	-6.647	-3	m	...
...	14.110	-27.669	-4	m	...	...	29.507	+48.504	-4	...	...	...	43.078	-36.969	0.80	...	...
...	14.458	+15.521	0.75	...	...	...	29.538	-17.399	-4	m	...	...	43.079	+12.454	-5	...	...
...	14.995	+33.053	-3	...	...	...	29.737	-0.164	-5	m	...	...	43.122	+21.816	1.10	...	...
†	15.180	+49.025	-5	...	...	...	29.931	-49.235	-5	m	...	...	43.125	+2.354	-5	...	...
381	+15.434	+2.700	0.70	...	...	441	+30.449	-26.504	0.85	...	...	501	+43.611	+5.320	0.70	...	...
...	15.482	+51.427	-4	...	...	...	30.587	-49.220	0.80	...	...	...	43.655	-39.017	-5	m	...
...	15.621	-56.452	1.20	45.9878	9.6	...	30.850	-12.383	0.90	...	...	...	43.743	-19.428	1.00	...	...
...	15.629	+48.718	-1	...	...	...	31.176	-19.074	-1	...	...	...	43.941	+3.897	-5	m	...
...	15.666	+38.760	0.70	...	...	...	31.726	-23.727	-5	m	...	...	43.947	-50.204	-5	m	...
...	+15.794	-2.280	-5	m	...	...	+31.763	+29.018	0.90	...	...	...	+43.966	+29.380	0.65	...	...
...	15.892	-31.052	1.00	...	...	...	31.875	-25.452	1.00	44.9733	10.3	...	44.086	+1.177	0.80	...	...
...	16.050	-13.654	-2	m	...	...	31.926	+39.657	0.90	...	...	...	44.095	-28.058	1.05	44.9738	10.3
...	16.351	-20.823	-1	a	...	...	32.082	+55.032	0.85	...	...	...	44.189	+19.295	0.65	...	...
...	16.744	-22.641	-5	m	...	...	32.125	-11.082	-5	m	...	...	44.426	-12.488	0.75	...	...
391	+16.886	+10.953	1.00	...	...	451	+32.142	+21.236	1.40	43.9164	8.8	511	+44.534	-16.025	-5	m	...
...	17.070	-23.749	0.75	...	...	...	32.182	+40.872	-5	...	...	...	44.608	+10.885	-5	m	...
...	17.937	-8.807	-1	b	...	...	32.433	+12.485	-4	...	...	...	44.735	+52.163	0.70	...	...
...	18.549	+6.863	-5	m	...	...	32.798	-32.401	0.65	...	...	S†	44.982	+13.591	2.70	43.9166	7.6
...	19.341	+4.500	-5	m	...	...	33.060	+26.787	-4	...	...	...	45.382	+8.264	-3	...	...
...	+19.512	+27.994	-5	m	...	...	+33.120	+41.508	-5	...	...	...	+45.565	-6.875	0.70	...	...
...	19.632	-42.330	1.10	44.9729	9.6	...	33.266	+40.086	-5	m	...	...	45.608	-55.488	-5	m	...
...	20.344	+30.912	1.00	43.9162	10.0	S*	33.752	-11.327	2.80	44.9734	7.5	...	46.003	-20.002	-4	m	...
...	20.371	-7.091	0.90	...	...	...	33.762	+51.958	0.80	...	...	...	46.035	+13.082	0.70	...	...
...	20.752	-12.399	-4	m	...	...	33.848	+39.693	0.90	...	...	...	46.432	+47.611	-3	...	...
401	+20.840	-23.270	0.80	...	...	461	+34.125	-26.146	-4	m	...	521	+46.620	+22.396	0.90	...	...
...	21.229	-47.734	1.20	44.9730	10.2	...	34.126	+36.619	0.90	...	...	...	46.702	+2.288	3.10	44.9739	7.4
...	21.489	+23.185	1.10	43.9163	9.6	...	34.229	+9.532	-4	m	...	...	47.007	-12.021	-4	m	...
...	21.686	-0.394	-2	m	...	...	34.802	-53.492	-5	m	...	...	47.062	+50.195	-3	...	...
...	21.720	+30.740	0.80	...	...	...	35.006	-50.336	0.80	...	...	...	47.121	+1.569	-5	m	...
...	+22.016	+33.083	0.80	...	...	...	+35.275	-4.247	-5	m	...	...	+47.437	+8.889	0.90	...	...
...	22.058	+57.894	-5	...	...	...	35.624	-10.293	-5	m	...	...	47.628	+7.273	0.85	...	...
...	22.552	+7.583	-4	...	...	...	36.166	+53.042	-1	...	...	...	47.751	-6.412	-2	m	...
...	22.852	-15.031	-4	m	...	...	36.334	-45.503	-2	m	...	...	* 47.757	-39.017	1.20	44.9740	10.0
...	23.000	+43.415	-3	...	...	...	36.779	-10.391	0.65	...	...	...	47.790	+1.898	-5	m	...
411	+23.068	-18.765	-3	m	...	471	+36.991	+2.758	0.80	...	...	531	+47.880	+45.152	1.10	43.9167	10.3
...	23.112	+9.447	-5	m	...	...	37.256	-31.866	-2	m	...	...	47.894	-19.030	-5	m	...
...	23.950	+36.518	-4	...	...	...	37.322	+48.566	-4	...	...	...	48.532	-19.399	-5	m	...
...	24.594	-20.629	-4	m	...	...	* 37.915	-25.850	1.60	44.9735	8.9	...	48.738	+2.066	0.65	...	...
...	24.602	-9.041	-1	m	...	...	37.984	-12.165	0.65	...	...	...	48.763	+11.400	-4	...	...
†	+25.156	+4.123	0.75	...	...	...	+38.207	-8.052	1.10	44.9736	9.6	*	+48.764	+30.671	1.15	43.9168	10.2
...	25.171	+45.562	0.85	...	...	...	38.398	-29.805	0.65	...	...	...	48.922	+14.128	-5	m	...
...	25.225	-6.664	-5	m	...	...	38.673	+51.906	-1	...	...	...	48.984	+24.648	0.75	...	...
...	25.536	-29.972	-5	m	...	...	39.008	+0.838	-1	...	...	...	49.050	-4.490	-5	m	...
...	25.566	-34.397	-5	m	...	...	39.143	+2.516	0.80	...	...	...	† 49.551	-44.698	1.20	44.9741	10.0

Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.65.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
541-560						561-580						581-590					
541	+49.586	+20.314	- 5	...	...	561	+53.566	+29.419	- 1	...	...	581	+58.551	-27.015	0.70	...	...
*	49.607	+49.690	1.20	43.9169	10.2	*	53.751	- 5.507	1.10	44.9745	10.2	...	58.746	-12.282	- 3	...	...
...	49.674	- 6.749	0.65	e	...	S *	53.776	+39.452	2.10	43.9171	8.1	*	58.751	-58.043	1.40	45.9895	10.0
...	49.725	-26.164	0.80	...	...	S *	54.336	-33.868	1.90	44.9746	8.6	...	58.807	- 6.188	0.65	e	...
...	50.147	-13.352	0.80	...	...	...	55.240	+ 5.746	0.65	...	...	...	59.263	-50.701	- 5	m	...
*	+50.293	- 5.419	1.00	44.9742	10.2	*	+55.373	-10.862	1.00	44.9747	10.2	...	+59.291	-19.515	- 5	m	...
...	51.635	+56.046	- 4	...	...	*	55.924	+17.921	1.60	43.9172	8.9	...	59.423	+53.614	- 5	...	...
...	51.711	+20.785	- 5	m	...	...	56.024	+21.331	- 5	...	...	...	59.777	-47.146	0.70	...	...
...	51.875	-46.667	- 3	e	...	...	56.359	+29.467	- 5	...	...	...	59.955	-34.742	- 4	...	...
*	52.167	-25.832	1.00	44.9743	10.3	...	56.541	+33.809	- 5	...	...	...	59.977	-37.807	- 4	e	...
551	+52.231	+ 6.318	0.65	...	...	571	+56.589	- 0.494	1.10	44.9748	10.3						
...	52.267	+ 7.295	- 3	...	...	f*	56.979	+ 5.187	1.10	43.9173	10.0						
...	52.820	- 3.691	0.65	e	...	*	57.287	+51.639	- 2	...	...				
...	52.900	-50.804	1.10	44.9744	10.3	...	57.287	- 4.170	0.75	...	...				
...	52.942	-35.580	0.80	...	...	...	57.812	-44.492	- 3	...	...				
*	+52.980	+ 3.885	0.95	...	...	...	+57.828	- 5.915	- 5	e	...						
†	53.006	-54.696	1.10	...	...	*	58.073	- 7.465	1.00	...	...				
...	53.203	- 7.126	- 5	m	...	*	58.104	+28.859	1.00	...	...				
...	53.365	-10.807	0.80	...	...	...	58.375	+ 7.219	0.70	...	...				
...	53.393	+29.314	- 5	...	...	*	58.486	-11.665	1.20	44.9749	9.8						

1-30						31-60						61-90					
I	-59.251	+ 1.896	- 5	...	...	31	-52.223	+51.712	- 3	...	...	61	-46.786	-37.604	- 3	° E	...
*	58.994	-39.194	1.10	44.9740	10.0	*	52.223	-10.811	1.00	44.9747	10.2	...	46.720	-46.938	0.80	...	...
...	58.962	+20.155	- 5	...	...	F *	51.309	- 0.409	1.00	44.9748	10.3	...	46.545	+ 0.735	- 5	M	...
...	58.062	- 6.930	0.65	E	...	...	51.298	- 53.917	- 5	M	...	*	46.456	- 0.760	0.85	...	...
...	57.988	+55.965	- 4	...	...	*	51.108	+ 5.286	1.05	43.9173	10.0	...	46.382	-21.355	0.80	...	...
*	-57.488	- 5.522	1.10	44.9742	10.2	*	-50.692	+28.971	1.00	...	...	*	-46.298	-26.672	1.40	44.9750	10.0
...	57.419	-26.304	0.80	...	...	...	50.514	- 4.056	0.70	...	...	...	46.229	-34.194	- 5	M	...
...	57.387	-13.453	0.85	...	...	...	50.315	+48.874	- 5	...	...	*	45.940	+25.139	1.00	...	...
†	57.024	-44.815	1.00	44.9741	10.0	...	50.181	+ 9.479	- 5	M	...	...	45.722	-42.951	0.70	...	...
...	56.104	+ 2.747	- 5	M	...	...	50.135	+53.748	- 3	...	...	...	45.614	-21.753	0.75	B	...
11	-55.908	+ 6.266	0.70	...	...	41	-49.953	+34.103	- 5	M	...	71	-45.523	-35.934	- 3	M	...
...	55.896	+ 7.233	0.70	...	...	...	49.938	- 5.784	- 4	E	...	...	45.200	-20.050	- 1	M	...
...	55.433	+29.267	- 5	...	...	...	49.794	+ 7.341	0.80	...	...	...	44.729	+ 4.813	0.80	...	...
S *	55.338	+39.428	2.20	43.9171	8.1	*	49.654	- 7.326	0.95	...	...	†	44.533	+39.801	0.70	...	...
...	55.255	+29.402	0.75	...	...	*	49.410	+53.777	1.30	43.9174	10.2	*	44.365	-22.012	1.00	44.9751	10.2
...	-55.079	+ 3.853	0.90	...	...	*	-49.081	-11.533	1.25	44.9749	9.8	...	-44.024	-30.849	0.70	...	...
...	54.999	- 3.719	0.70	E	...	SN*	49.030	+55.197	3.10	43.9175	7.3	*	43.952	+47.836	1.20	43.9177	10.5
*	54.981	-25.859	1.05	44.9743	10.3	...	48.950	- 6.059	0.75	E	...	...	43.860	- 1.951	- 5	M	...
...	54.631	-46.698	- 5	E	...	...	48.818	-12.143	0.70	...	...	*	43.812	-38.165	0.80	...	...
...	54.241	-10.828	0.80	...	...	...	48.768	-44.361	0.70	...	...	...	43.657	-41.444	0.85	...	...
21	-54.001	- 5.528	1.10	44.9745	10.2	51	-48.642	+ 53.684	- 5	M	...	81	-43.649	+13.390	- 5	M	...
...	53.902	-35.595	0.75	...	...	...	48.563	-26.877	0.75	...	...	...	43.645	+33.501	0.85	...	...
*	53.478	-50.807	1.00	44.9744	10.3	...	47.602	+35.515	- 5	...	...	...	43.570	-52.937	- 5	M	...
...	53.259	-54.693	1.20	...	...	*	47.423	-57.863	1.20	45.9895	10.0	...	43.563	+12.505	0.65	...	...
...	52.867	+ 5.779	0.65	...	...	...	47.267	+ 8.386	- 4	...	...	...	43.559	- 6.765	- 5	M	...
...	-52.578	+21.388	- 5	...	...	...	-47.188	+ 4.167	0.70	...	...	*	-43.535	-38.141	1.10	44.9752	10.0
S *	52.561	-33.852	2.00	44.9746	8.6	...	47.081	+43.090	0.70	...	...	...	43.393	-34.048	0.80	...	...
*	52.557	+17.964	1.80	43.9172	8.9	...	47.003	- 6.173	- 5	M	...	...	43.195	+22.091	- 1	...	...
...	52.486	+29.522	- 3	...	...	*	46.931	+43.319	1.60	43.9176	9.6	*	43.056	-23.758	1.00	44.9753	10.5
...	52.440	+33.869	- 5	...	...	...	46.902	-34.536	0.75	...	...	...	42.759	-37.827	0.65	...	...

NM measured from 1, 230, 436.
ES 113, 327, 551.

NM's measures rough and diameters under 1.0 overestimated.
47. Remeasure 1913, y = +55.211.

Notes.	Co-ordinates.		Diam. o.70.	C.P.D.		Notes.	Co-ordinates.		Diam. o.70.	C.P.D.		Notes.	Co-ordinates.		Diam. o.70.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-150						151-210						211-270					
91	-42.737	+38.087	-3	...	...	151	-32.872	+15.157	-5	...	...	211	-22.510	-22.635	1.80	44.9762	9.0
...	42.295	-14.564	0.80	...	...	...	32.754	+4.573	-3	...	...	...	22.477	+14.368	0.90	43.9181	10.5
...	42.283	-30.606	-5	M	...	...	32.651	-39.287	-3	M	...	...	22.274	+11.481	-3	...	...
...	42.150	-36.804	0.70	...	...	...	32.362	+49.853	-4	...	...	...	22.195	-27.823	-5	M	...
...	42.102	-33.042	0.80	...	...	...	32.144	+45.923	0.65	...	...	...	22.190	-17.310	-5	M	...
...	-42.090	+0.654	0.70	...	...	...	-32.140	-32.767	-5	M	...	...	* 22.136	-13.093	0.80	...	...
...	41.307	+22.299	0.80	...	...	...	32.027	+31.013	-3	...	...	...	21.995	-47.145	-5	M	...
...	41.293	-9.843	0.70	...	...	...	31.869	+58.572	-1	...	...	...	21.979	-19.619	-1	A	...
...	41.218	-27.094	0.70	A	...	...	31.796	-24.350	-5	M	...	S*	21.967	-21.663	2.00	44.9763	8.4
*	41.029	+10.557	0.95	...	...	...	31.793	+16.227	0.80	...	...	...	21.533	-57.878	0.80	...	...
101	-40.883	-50.173	-5	M	...	161	-31.584	+23.325	-2	...	...	221	-21.394	-28.671	-5	M	...
...	40.858	-15.370	-5	M	...	...	30.918	+32.076	-1	...	...	...	21.170	+1.308	-3	...	...
...	40.735	+1.667	-5	M	...	...	30.822	-26.351	-3	M	...	...	21.166	-53.116	0.80	...	...
...	40.529	+5.106	-4	...	...	...	30.758	-52.773	0.90	44.9758	10.5	...	20.947	-3.070	-5	M	...
...	40.431	+43.865	-4	...	...	...	30.580	+40.979	0.70	...	...	S*	20.795	+1.131	2.60	44.9764	7.6
...	-40.232	-54.672	-4	M	...	...	* 30.561	-28.484	2.10	44.9759	8.0	...	-20.655	-55.115	-5	M	...
...	40.222	-15.425	-5	M	...	...	30.543	+45.856	-1	...	...	...	19.908	+32.963	-4	M	...
...	40.171	-21.308	0.75	...	...	...	30.183	-16.195	-5	M	...	...	19.891	+59.717	-4	...	...
...	40.169	-41.082	-1	M	...	...	30.111	-52.325	-5	M	...	...	19.762	-17.279	-5	M	...
*	39.882	-3.093	1.30	44.9754	9.8	...	30.105	+4.779	-5	M	...	...	19.497	+8.711	-5	M	...
111	-39.877	+2.895	-4	M	...	171	-29.986	-20.795	-5	M	...	231	-19.196	+38.286	0.65	...	...
+	39.776	+0.055	1.40	44.9755	9.6	...	28.923	-39.996	0.65	...	...	*	19.163	+7.558	1.60	43.9182	9.3
+	39.506	+4.793	0.95	...	...	...	28.428	-31.652	-1	...	...	...	18.358	-39.146	-5	M	...
...	39.414	-11.384	-1	A	...	...	28.231	+56.481	-5	...	...	...	* 18.014	+6.669	1.00	43.9183	10.5
...	38.977	-0.087	-2	F	...	...	28.187	+12.040	0.70	...	...	...	17.688	+50.203	-5	...	...
...	-38.913	-41.509	0.80	...	...	...	-28.077	+33.160	-4	...	...	...	-17.673	+16.794	0.65	...	...
...	38.680	-55.770	0.75	...	...	...	27.975	-35.246	-5	M	...	...	17.627	+52.981	0.85	...	...
...	38.531	-48.687	-5	M	...	S*	27.270	+38.675	1.60	43.9178	9.1	...	17.487	-2.602	-4	M	...
...	38.374	-47.737	-5	M	...	...	26.879	+47.033	-5	...	...	...	* 16.906	+17.316	1.05	43.9184	10.3
...	37.794	-31.790	-5	M	...	...	26.865	-21.071	-4	M	...	...	16.775	+12.332	0.70	...	...
121	-37.326	-13.834	0.70	...	...	181	-26.281	-46.372	-1	...	...	241	-16.329	+9.472	1.20	43.9185	10.0
...	37.246	-48.903	0.70	...	...	...	26.266	-52.464	-3	M	...	...	16.302	+17.711	0.70	...	...
...	37.091	+25.384	-5	M	...	...	26.193	+5.381	-5	...	...	N	15.912	-42.831	-4	44.9765	10.5
...	36.857	+29.023	-5	...	...	...	25.963	-32.425	-4	M	...	*	15.829	-27.201	1.00	...	...
...	36.791	-54.406	-4	...	...	...	25.948	+30.996	0.85	...	...	...	15.454	-8.808	-3	M	...
*	-36.736	-1.914	0.85	...	...	...	-25.918	-10.596	-1	...	...	...	* 15.406	+59.645	0.95	...	...
...	36.599	+11.183	-2	...	...	...	25.692	+48.294	1.05	...	...	+	14.288	-54.707	1.10	44.9766	9.8
...	36.466	+20.522	-4	M	...	...	25.613	-40.361	-1	...	...	...	14.228	-13.244	-3	M	...
...	36.416	-52.276	-5	M	...	...	25.167	-53.311	-3	M	...	...	14.093	-18.291	-2	M	...
*	36.405	-13.283	0.80	...	...	...	* 24.930	+21.289	1.00	43.9179	10.5	...	14.077	-48.210	-2	M	...
131	-36.288	-39.620	0.90	...	...	191	-24.865	-29.569	1.00	44.9760	10.4	251	-14.046	+11.662	-5	M	...
...	35.917	+12.252	-5	M	...	...	24.853	+13.409	-3	...	...	*	13.854	-14.063	0.90	44.9767	10.5
...	35.855	-27.457	-2	...	...	...	24.818	+30.348	-1	...	...	*	13.765	+25.707	1.00	43.9186	10.5
...	35.787	+49.644	-5	M	...	...	24.617	+31.305	-4	...	...	...	13.749	-37.042	-2	M	...
...	35.376	+24.116	0.70	...	...	...	24.554	+29.711	-2	...	...	...	13.681	-17.821	-5	M	...
...	-35.349	-42.236	-5	M	...	...	-24.173	+41.702	-5	...	...	...	-13.611	-38.656	0.70	...	...
*	35.175	-40.609	0.90	...	...	...	24.095	-10.441	1.10	44.9761	9.8	...	13.287	+7.104	-3	A	...
S*	35.165	-54.645	1.80	44.9756	9.0	...	23.982	+3.048	-4	M	...	*	13.022	-50.616	1.00	44.9768	10.5
...	34.914	-21.272	-2	M	...	...	23.947	-14.970	0.70	...	...	...	12.797	+54.521	-5	...	...
...	34.396	-42.577	-1	...	...	...	23.940	+24.293	-4	...	...	...	* 12.607	+7.023	1.00	...	...
141	-34.374	+22.204	0.65	...	...	201	-23.914	+38.563	0.65	...	...	261	-12.582	+58.058	-5	...	...
...	34.139	-51.436	-5	M	...	...	23.904	-33.432	0.65	...	...	...	12.530	+9.259	-5	M	...
*	33.988	-25.361	1.40	44.9757	9.5	...	23.893	+3.011	0.70	...	...	*	12.387	+23.904	0.95	...	...
...	33.564	-3.289	0.65	...	...	...	23.495	-18.829	0.70	...	...	*	11.806	-25.336	0.85	...	...
*	33.500	+51.077	1.10	...	...	...	23.343	+13.309	-2	...	...	...	11.650	+53.276	-5	...	...
...	-33.439	-51.651	-5	M	...	...	-23.309	+43.854	-4	...	...	*	-11.629	-37.947	1.30	44.9769	10.0
...	33.390	+14.144	-5	...	...	...	23.252	+43.795	1.00	43.9180	10.5	...	11.517	+49.207	0.95	...	...
...	33.239	-12.613	-5	M	...	...	23.195	+42.957	-3	...	...	...	11.468	+41.983	0.85	...	...
...	33.113	+1.176	-5	M	...	...	23.028	+20.623	0.90	...	...	*	11.216	+53.856	1.15	43.9187	9.8
...	33.098	-0.941	-5	M	...	...	22.806	+39.074	-3	...	...	...	11.056	-46.273	0.70	...	...

243. Var. L=8.3-10.5.

Notes.	Co-ordinates.		Diam. 0.70.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.70.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.70.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
271-330						331-390						391-450					
271	-11.001	-41.735	- 5	M	...	331	+ 0.923	-58.299	- 3	M	...	391	+11.340	-37.757	- 5	m	...
*	10.351	+42.934	1.00	...	...	...	1.011	-57.477	- 5	M m	...	...	11.521	-13.468	- 4	m	...
*	10.047	-12.234	0.90	...	...	*	1.027	+50.403	1.30	43.9193	9.8	...	11.599	-1.104	- 5	m	...
...	10.015	- 0.568	- 4	M	...	...	1.348	+37.393	0.70	...	...	...	11.699	-29.698	- 5	m	...
...	9.905	-22.658	0.70	...	...	...	1.426	-19.261	- 5	M m	...	...	12.597	-34.546	0.75	...	...
†	- 9.731	+54.376	1.60	43.9188	9.2	...	+ 1.475	-48.527	- 3	M	...	*	+12.664	-17.594	0.90	...	...
...	9.449	- 8.505	- 5	M	...	...	1.608	+44.431	- 2	...	...	...	12.725	+25.126	- 3	...	...
...	9.176	-18.838	- 3	M	...	...	1.728	+31.919	- 1	...	...	...	12.873	+30.278	- 5	m	...
...	9.078	+ 8.253	0.70	...	...	...	1.918	-27.313	- 5	M m	...	...	13.132	- 7.077	- 4	...	...
...	9.045	-11.519	0.80	...	...	...	2.256	- 8.249	- 3	M	...	...	13.184	- 1.120	- 5	m	...
281	- 8.979	+ 7.560	0.75	A	...	341	+ 2.383	-39.917	- 3	M	...	401	+13.234	-38.747	- 3	...	...
...	8.808	+56.319	- 1	...	...	...	2.496	+34.234	- 3	...	...	...	13.246	-30.874	- 4	m	...
...	8.650	+22.171	0.70	...	...	...	2.701	- 4.582	- 5	M m	...	*	13.256	+29.391	0.90	...	...
*	8.394	-33.367	0.90	...	...	...	2.819	-23.559	- 2	M	...	...	13.498	+17.839	- 5	m	...
...	8.244	-22.167	0.70	...	...	...	2.878	+11.176	- 5	M m	...	...	13.569	-10.410	- 5	m	...
...	- 8.165	- 7.725	- 3	M	...	...	+ 3.078	+20.638	0.70	...	...	...	+13.760	+17.104	0.65	...	...
...	7.421	+12.469	- 5	M	...	...	3.283	- 3.779	- 3	M m	...	...	13.993	- 4.410	- 5	m	...
...	7.344	+16.003	0.70	...	...	...	3.494	-49.604	- 3	M m	...	*	14.385	-50.697	1.00	44.9776	10.5
...	7.140	- 4.678	- 4.	M	...	...	3.701	-20.178	- 5	M m	...	...	14.877	+18.974	- 5	m	...
...	7.059	+45.201	- 1	...	...	...	3.933	+17.287	0.90	43.9194	10.5	S †	15.365	+49.924	2.80	43.9195	6.9
291	- 6.966	+38.149	1.10	43.9189	10.5	351	+ 4.014	-42.807	- 3	M	...	411	+15.479	-52.944	- 4	m	...
...	6.932	+40.617	0.80	...	...	...	4.141	-59.313	- 3	...	...	...	15.495	+42.799	- 2	...	...
*	6.812	- 6.135	0.95	...	...	...	4.340	-42.253	- 2	M	...	...	15.624	+46.758	- 1	...	...
*	6.643	- 0.802	1.15	44.9770	10.2	...	4.598	+25.459	- 5	M m	...	...	15.717	+40.543	- 3	...	...
...	6.622	-55.464	- 5	M m	...	...	4.818	+56.302	- 5	M m	...	...	16.100	+10.649	- 5	m	...
...	- 6.439	-11.556	0.70	A	...	...	+ 5.024	-20.673	- 5	M m	...	...	+16.302	- 6.680	- 4	...	...
...	6.385	-51.101	- 4	M m	...	...	5.029	-27.856	- 5	M m	...	...	16.434	-30.352	- 5	m	...
...	6.292	-52.538	- 1	...	...	...	5.130	+39.496	- 1	...	...	...	16.539	-45.475	0.65	...	...
...	5.746	-19.673	- 4	M m	...	...	5.590	-25.225	- 5	M m	...	*	16.865	+52.792	1.35	43.9196	9.8
*	5.593	+47.755	1.10	43.9191	10.5	...	5.818	-25.952	- 3	M m	...	...	16.927	+54.284	0.65	...	...
301	- 5.565	-20.663	0.70	...	...	361	+ 6.038	+27.498	0.90	...	...	421	+17.024	-46.015	0.90	...	...
...	5.495	+13.724	- 4	M	...	*	6.122	-56.656	0.90	...	...	...	17.174	- 1.797	- 5	m	...
...	5.315	-45.480	- 5	M	...	...	6.280	+32.585	- 5	m	...	...	17.472	-34.037	- 3	...	...
...	4.809	+ 1.614	- 5	M m	...	...	6.358	-21.588	- 4	M m	...	...	17.729	-24.259	- 3	...	...
*	4.797	-29.345	1.00	44.9771	10.4	...	6.700	+43.560	0.65	...	...	...	18.054	-19.228	- 2	...	...
...	4.284	- 8.795	0.80	M	...	...	+ 6.842	-24.884	- 5	m	...	...	+18.072	+58.758	- 5	m	...
...	4.073	+22.578	0.95	...	...	...	7.001	+ 2.580	- 2	...	...	...	18.319	-50.695	- 4	m	...
...	3.927	-36.108	- 5	M m	...	*	7.165	- 9.029	0.90	...	...	...	18.622	-26.541	- 3	...	...
...	3.418	+56.985	- 5	...	...	...	7.510	-45.465	- 5	m	...	...	18.643	- 2.698	- 5	m	...
...	3.131	+ 9.663	- 5	M m	...	*	7.666	-25.936	0.80	...	...	*	18.674	- 1.531	0.95	44.9777	10.5
311	- 2.953	+42.241	1.05	43.9192	10.4	371	+ 7.757	-35.422	- 3	m	...	431	+18.864	+32.061	- 5	m	...
...	2.837	-40.353	- 5	M m	...	...	7.930	+26.990	- 4	m	...	...	18.912	-35.720	0.65	...	...
*	2.614	+37.127	1.00	...	...	*	8.329	-12.350	0.90	44.9773	10.5	...	19.197	+49.237	- 3	...	...
...	2.382	-37.012	0.70	...	...	...	8.423	- 2.872	- 2	m	...	*	19.240	+12.778	1.00	43.9197	10.4
...	2.211	+16.441	- 5	M m	...	...	8.513	-57.436	- 3	...	...	...	19.794	+35.321	- 1	...	...
†	- 2.152	- 4.935	0.70	M	...	...	+ 8.536	-36.800	0.75	...	...	...	+20.354	+38.283	- 4	m	...
*	1.982	-14.106	0.90	...	...	...	8.639	+40.805	0.75	...	...	...	20.698	+55.288	- 1	...	...
...	1.638	-23.428	- 4	M m	...	*	8.845	-50.813	0.90	...	...	...	20.718	+14.108	- 4	m	...
...	1.542	+27.799	- 5	M m	...	*	8.858	- 5.956	0.90	44.9774	10.5	...	21.119	-40.925	- 2	m	...
...	0.643	+46.348	- 4	...	...	*	8.893	+53.463	1.00	...	...	S *	21.156	-50.163	2.30	44.9778	7.8
321	- 0.586	-37.924	- 3	M m	...	381	+ 9.256	+58.258	- 5	...	...	441	+21.171	-58.469	- 5	m	...
*	0.491	-56.313	1.10	45.9908	10.5	...	9.280	+39.799	- 5	m	...	...	21.216	-51.243	0.95	...	...
...	- 0.018	-23.406	0.80	...	...	...	9.347	+23.751	- 5	m	...	...	21.304	-15.704	- 4	m	...
...	+ 0.077	-37.185	- 1	M m	...	*	9.506	+23.489	0.90	...	...	...	21.743	-25.329	0.80	...	...
†	0.216	+41.936	- 1	...	...	...	9.547	+ 5.687	- 5	m	...	...	21.797	+38.863	0.65	...	...
†	+ 0.218	+36.325	- 4	m	...	...	+ 9.677	-22.479	- 2	...	...	...	+22.181	-30.998	- 5	...	...
†	0.391	-20.109	0.90	44.9772	10.5	*	9.882	-51.734	1.10	44.9775	9.6	...	22.307	+25.834	- 1	a	...
...	0.441	+31.014	- 5	M m	...	...	10.042	-37.930	- 3	...	...	...	22.382	-55.158	- 3	...	...
...	0.866	-20.124	- 5	M m	...	*	10.531	+17.942	0.75	...	...	...	22.461	-53.917	- 5	m	...
*	0.919	- 2.512	0.90	...	...	...	11.237	-35.717	- 3	...	...	...	22.707	+28.153	0.65	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.			Notes.	Co-ordinates.		Diam.	C.P.D.			Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		o.70.	No.	Mag.		x.	y.		o.70.	No.	Mag.		x.	y.		o.70.	No.	Mag.
451-510						511-570						571-630								
451	+22°947	-34°620	1.00	44.9779	10.5	511	+33°565	+25°814	0.75	o	...	571	+43°116	+26°828	-5	o	m	...		
...	23°220	+5°971	0.65	b	...	...	33°764	+11°495	1.15	43.9203	10.1	...	* 43°216	-17°102	0.85	...	...	...
...	23°265	-25°292	0.65	...	...	...	33°807	+37°509	0.70	...	...	...	...	43°270	-33°156	-5	m	...
...	23°502	+34°772	-4	m	...	...	33°829	-0°211	-1	m	...	...	...	43°377	-3°834	-5	m	...
...	23°923	+17°503	-5	m	...	...	33°902	-40°903	-5	m	...	...	...	* 43°685	+8°337	0.90	...	...
...	+23°947	+9°010	-5	m	...	...	+34°057	+13°306	-3	...	...	...	...	+43°893	+27°777	-5	m	...
...	24°123	-37°042	-1	m	...	...	34°180	-27°063	-5	m	...	...	...	44°171	-45°777	-1	...	...
...	24°327	-39°074	-5	m	...	...	34°298	+11°161	0.65	a	...	...	...	* 44°373	-26°008	1.00	44.9787	10.4
...	24°437	+29°535	0.70	...	...	...	34°798	-3°785	-5	m	...	...	...	45°063	-17°595	0.65	...	...
...	24°588	+2°490	0.65	...	...	...	34°840	-37°518	-5	m	...	...	...	† 45°152	+11°780	0.90	...	...
461	...	...	...	...	...	521	+35°036	-5°523	-4	m	...	581	+45°825	+11°864	-5	m	...	...
...	+24°599	-17°107	0.65	...	...	...	35°100	-7°680	0.90	...	...	...	46°190	-21°633	-4	m	...	...
...	24°730	-1°721	-4	m	...	...	35°501	-38°138	-5	m	...	...	* 46°393	-27°253	1.05	44.9788	10.3	...
...	25°050	+7°253	0.70	...	...	...	35°556	+24°237	0.80	...	...	...	46°429	+6°937	0.70	...	...	...
...	25°063	-32°000	0.75	...	...	...	35°556	-2°740	0.80	...	...	...	46°795	+17°607	-3	...	...	...
...	25°691	-49°419	0.70	...	...	...	+35°742	-26°072	0.80	...	...	...	+46°843	-36°343	-2	...	...	...
...	* +26°035	+3°756	1.05	44.9780	10.2	...	36°055	-16°921	1.00	44.9782	10.5	...	47°241	-35°341	-3	...	...	...
...	26°087	-29°651	-5	m	...	...	36°074	-36°027	0.65	...	...	...	47°441	+20°670	0.70	...	...	...
...	26°211	-48°818	-2	m	...	...	36°176	+47°078	-3	...	...	...	47°750	-55°904	-5	m	...	...
...	26°226	+24°883	0.70	...	...	...	36°304	+23°904	0.90	...	...	...	47°782	-3°680	-5	m	...	...
...	26°267	+52°256	-5	...	...	531	+36°780	+24°408	0.80	...	...	591	+47°901	+3°766	-4	m	...	...
471	...	...	...	...	...	...	36°941	+38°102	0.90	...	...	...	48°088	+8°117	-1	...	...	...
S*	+26°383	+21°218	1.25	43.9199	9.6	...	36°959	-8°255	-5	m	...	...	48°751	+2°078	0.80	...	...	...
...	26°400	-9°763	-5	m	...	...	37°157	+3°272	0.65	d	...	...	48°828	-15°012	-5	m	...	...
...	26°682	-39°918	-4	m	...	...	37°219	+13°672	0.90	...	...	...	* 49°151	-55°548	1.30	44.9789	10.0	...
...	26°829	-22°120	0.70	...	...	...	+37°261	-43°183	-3	m	...	...	49°301	+19°601	-5	e	...	...
...	27°022	+5°224	-5	m	...	...	37°425	-47°155	1.40	44.9783	9.8	...	49°631	+43°989	0.75	...	...	...
...	+27°069	+26°038	0.80	...	...	...	37°532	-50°751	-1	m	...	...	49°735	+34°110	0.75	...	...	...
...	27°613	-11°156	0.80	...	...	...	37°953	-39°243	-4	m	...	...	49°812	+42°479	-3	...	...	...
...	* 27°626	+57°147	1.80	43.9200	8.8	...	38°372	-42°937	0.90	...	...	...	49°849	-13°336	-5	e	...	...
...	27°957	-41°863	-5	m	...	541	+38°669	+46°918	2.80	43.9205	8.2	601	+50°037	+2°300	-2	...	...	...
...	28°115	+18°085	0.75	...	...	...	38°669	+7°114	0.75	...	...	...	50°044	+42°849	-5	...	...	...
481	...	...	...	...	...	...	38°708	-3°592	0.80	...	...	...	† 50°083	+41°282	-5	e	...	...
* 28°133	-27°280	1.00	44.9781	10.4	...	...	* 39°042	-12°746	1.00	44.9784	10.4	...	† 50°195	+21°434	-3	...	...	...
...	28°258	-10°913	-4	...	...	...	39°153	+16°942	1.60	43.9206	9.6	S*	50°351	-8°601	1.40	44.9790	9.2	...
...	28°268	-16°098	-5	m	...	...	+39°359	+14°812	-1	e	...	...	† 50°411	+30°124	0.90	...	...	...
...	28°576	+26°612	-5	m	...	...	* 39°371	+32°998	0.90	...	...	...	50°427	+46°483	0.75	...	...	...
...	* 28°713	+34°929	1.00	...	...	...	39°618	+6°961	1.10	43.9207	10.4	...	50°751	+13°897	-5	e	...	...
...	+28°999	+57°333	-5	...	...	...	40°013	-39°435	0.70	...	...	...	50°857	+3°628	-5	e	...	...
...	29°144	+23°779	0.70	...	...	...	* 40°152	-32°535	1.10	44.9785	10.4	...	51°497	-55°572	-4	e	...	...
...	29°232	+26°280	-5	m	...	551	+40°439	-36°223	-5	m	...	611	† 51°852	-49°757	-4	m	...	...
...	29°372	+47°358	-5	m	...	...	40°666	+21°922	-4	m	...	...	52°288	+9°312	-5	m	...	...
...	30°826	+9°845	0.70	...	...	...	40°962	+34°464	-4	...	...	...	* 52°436	-24°291	1.25	44.9791	9.5	...
491	...	...	...	...	...	...	40°970	-15°433	1.00	44.9786	10.2	f*	52°722	-0°033	1.00	44.9792	10.3	...
...	+31°259	+51°097	-5	...	...	...	41°001	+20°015	-3	...	...	...	53°006	+16°308	-4	...	...	...
...	31°295	-20°811	0.80	...	...	...	+41°258	-53°205	-2	...	...	...	53°358	-14°684	-2	...	...	...
...	31°339	+33°199	-5	m	...	...	41°297	+18°975	-2	...	...	...	53°530	-4°239	-2	...	...	...
...	31°508	-35°012	0.70	...	...	...	41°301	-25°834	0.80	...	...	...	* 54°276	+6°786	1.00	43.9210	10.3	...
...	31°568	+9°550	0.70	...	...	...	41°316	-2°132	-3	...	...	...	54°302	-1°668	-3	...	...	...
...	* +31°731	+15°411	1.00	43.9201	10.5	...	41°399	+58°328	-1	...	...	...	54°349	-23°832	-5	e	...	...
...	31°977	-45°322	-1	a	...	561	+41°466	+23°411	-4	m	...	621	...	+54°678	-32°525	-4	e	...		
...	32°184	+30°310	-4	...	...	...	41°492	-21°784	-2	...	...	...	...	55°336	-1°256	-5	e	...
...	32°276	-44°645	0.80	...	...	...	41°561	+24°082	-4	m	...	...	...	* 55°678	+5°458	0.95	...	...
...	32°283	+39°617	-5	...	...	...	41°875	-39°937	-2	...	...	...	...	56°336	-29°048	0.65	...	...
501	...	...	...	...	...	...	* 42°276	+15°224	0.90	...	...	...	...	56°922	+7°746	-5	e	...
...	+32°372	-5°182	-5	m	...	...	+42°294	+12°550	0.70	...	...	...	...	57°745	+20°536	-3	...	...
...	* 32°534	+10°515	1.00	43.9202	10.2	...	42°475	-59°231	1.15	45.9917	10.2	...	* 57°994	+20°302	1.10	43.9211	10.4	...		
...	32°645	+10°480	0.65	...	...	...	* 42°683	+4°707	1.20	43.9208	9.6	...	58°119	-40°899	0.90	...	...	...
...	32°645	+10°480	0.65	...	...	...	42°932	-28°482	-2	...	...	...	58°176	+35°595	-4	...	...	...
...	32°553	+26°124	0.65	...	...	...	42°975	+46°606	-1	...	...	...	58°389	+16°912	-4	...	...	...
...	32°910	-30°279	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	33°093	-24°161	-4	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	33°120	+13°699	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	33°246	+51°194	-3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	33°428	-27°643	0.70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	33°508	+17°468	-5	m	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam. 0.70.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.70.	C.P.D.		Notes.	Co-ordinates.		Diam. ...	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
631-640						641-642											
631	+58'586	-4'695	-5	e	...	641	+59'815	-26'644	0.80	o	...						
...	58'812	+0'514	-5	e	...	...	60'098	+10'602	-4	...	...				
...	58'828	-40'217	-1	...	...										
...	58'891	-25'178	0.80	...	...										
...	58'899	+37'080	-5	...	...										
...	+59'080	-14'690	-1	...	...										
...	59'151	-43'036	-5	e	...												
...	59'308	-30'074	-4	...	...										
...	59'471	-35'728	-5	e	...												
*	59'493	-6'103	1.05	44'9793	10.3												

1-40						41-80						81-120					
1	-59'417	+42'319	-3	o	...	41	-48'265	-25'022	0.85	o	...	81	-42'823	+49'949	0.80	o	...
...	59'237	+1'906	0.90	...	...	*	48'242	-5'946	1.00	44'9793	10.3	...	42'667	+39'754	-5	M	...
...	59'233	+33'950	0.85	...	...	...	48'188	+10'771	-2	...	...	...	42'114	-8'777	-5	M	...
...	59'223	+19'424	-5	E	...	...	48'121	-1'502	-5	M	...	...	42'009	-34'370	0.75	...	...
...	59'096	+41'115	-5	E	...	...	48'108	+20'554	-5	M	...	...	41'930	+51'846	-5	...	...
...	-59'061	+39'220	-5	M	...	*	-47'991	+16'840	0.85	...	...	...	* -41'624	-15'253	0.85	...	...
...	58'908	+46'357	0.75	...	...	...	47'884	-40'061	0.65	...	...	...	41'543	+12'291	-2	...	...
...	58'443	+30'008	0.90	...	...	...	47'723	-29'902	-3	...	...	S*	41'495	+0'407	2.00	44'9795	8.3
...	58'393	+21'303	-4	...	...	...	47'562	+36'909	-5	M	...	...	41'324	-50'793	-5	M	...
...	57'962	+2'160	-1	...	...	...	47'473	-42'857	-4	E	...	...	* 41'307	-25'464	0.90	...	...
11	-57'672	-13'457	-5	E	...	51	-47'370	-35'555	-4	E	...	91	-41'296	-21'109	-2	...	...
...	57'605	+13'787	-5	E	...	...	47'299	-26'452	0.80	...	...	...	41'260	+35'571	-3	...	...
S*	57'313	-8'703	1.20	44'9790	9.2	...	47'108	+5'871	-5	M	...	...	40'732	+6'000	-2	...	...
*	57'084	-55'679	1.40	44'9789	10.0	...	46'724	-15'927	-4	M	...	...	40'579	+25'175	-5	M	...
...	56'967	-3'714	-5	E	...	...	46'327	+37'264	-5	...	...	...	40'437	+25'138	-5	M	...
...	-55'431	+16'270	-4	...	...	...	-46'135	-12'573	-4	M	...	*	-40'352	+30'637	0.95	43.0213	10.5
F*	55'198	-0'071	1.00	44'9792	10.3	...	46'000	-39'164	-5	M	...	...	40'269	+6'658	-5	M	...
*	54'744	-24'321	1.25	44'9791	9.5	...	45'974	+1'303	-5	M	...	...	40'086	-9'039	-3	...	...
...	54'735	-55'615	-5	E	...	...	45'778	+0'520	-4	M	...	...	40'072	+49'700	-5	M	...
...	54'273	-4'266	-3	...	...	...	45'732	-45'251	0.65	...	...	...	39'941	-33'598	-4	M	...
21	-54'130	-14'705	-1	...	...	61	-45'699	-54'616	2.40	44'9794	8.0	101	-39'761	+20'241	-5	M	...
...	54'058	+10'113	-4	M	...	S*	45'515	+22'164	-3	...	...	...	39'388	-52'763	0.85	...	...
*	53'861	+6'775	1.00	43.9210	10.3	...	45'472	+19'248	0.65	...	...	...	39'196	-25'893	0.70	...	...
...	53'581	-1'675	-2	...	...	...	45'448	+13'266	-5	M	...	...	39'158	-26'869	0.75	...	...
...	52'845	-23'819	-5	E	...	...	45'428	+44'550	-5	M	...	...	39'118	+58'890	-5	...	...
...	-52'551	-1'213	-4	E	...	...	-45'413	-32'354	-5	M	...	...	-39'098	-26'801	0.80	...	...
*	52'426	+5'505	0.90	...	...	*	44'969	+43'314	2.00	43.9212	8.5	...	39'086	-39'698	-1	...	...
...	52'250	-32'494	-3	E	...	...	44'516	+10'953	-3	...	...	*	38'972	+50'277	0.90	43.0214	10.5
...	51'749	+21'982	-5	M	...	...	44'392	+51'849	-5	...	...	...	38'958	-17'971	0.65	...	...
...	51'255	+7'833	-5	E	...	...	43'967	-18'685	-3	M	...	...	38'881	+49'212	0.65	...	...
31	-50'836	+35'695	-3	...	...	71	-43'933	-7'200	-5	M	...	111	-38'769	+26'101	0.65	...	...
...	50'829	+20'643	-1	...	...	...	43'880	+1'833	0.65	...	...	...	38'044	+57'843	-5	...	...
...	50'710	-28'956	0.70	...	...	...	43'852	-55'922	0.90	...	...	...	37'934	+16'398	0.70	...	...
*	50'559	+20'422	1.05	43.9211	10.4	...	43'829	+10'473	-2	...	...	*	37'696	-21'998	0.90	44'9797	10.5
...	50'182	+37'206	-4	...	...	...	43'683	-42'720	-4	M	...	...	37'600	-3'242	-4	M	...
...	-50'078	+17'037	-3	...	...	...	-43'634	+27'066	-4	...	...	...	-37'362	-47'708	0.80	...	...
...	49'207	-4'561	-5	E	...	...	43'589	-38'878	-5	M	...	*	37'269	-53'346	1.20	44'9796	10.1
...	49'150	+0'651	-4	E	...	...	43'411	-14'720	0.65	...	...	...	37'230	+32'402	-5	M	...
...	48'568	-40'750	0.85	...	...	...	43'072	+19'147	0.65	...	...	...	37'180	+15'296	0.65	...	...
...	48'411	-14'538	0.70	...	...	...	43'006	+4'576	-3	...	...	...	37'071	-30'772	0.70	...	...

ES measured from 1, 229, 559.
NM 102, 393.

NM's estimates of diameters under 1.0 unreliable

Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
121-180						181-240						241-300					
121	-36.824	-40.862	-4	M	...	181	-27.554	+34.598	-5	M	...	241	-17.965	-25.951	-2	M	...
...	36.808	-36.295	-5	M	...	...	27.536	-43.531	-5	M	...	...	17.337	+52.243	1.05	43.9225	10.5
...	36.705	-26.915	-3	M	...	*	27.488	+42.048	1.40	43.9217	9.8	...	17.226	-53.205	-5	M	...
...	36.653	+46.948	-5	...	...	...	27.395	-36.507	0.70	...	...	...	17.213	-28.080	-2	...	...
*	36.571	+40.253	1.10	43.9215	9.8	...	27.315	+18.609	-5	M	...	*	17.135	-50.888	0.85	...	...
...	-36.491	-22.892	-5	M	...	*	-27.129	+46.167	1.25	43.9218	10.2	...	-16.608	-57.546	-4	M	...
...	36.478	-22.778	0.70	...	...	...	27.093	-16.415	-5	M	...	...	16.456	+34.696	0.65	...	...
...	36.131	+26.295	-5	M	...	...	27.043	+36.391	0.70	...	...	...	16.020	-2.681	-2	M	...
*	36.093	+21.223	1.00	43.9216	10.3	...	26.237	+31.986	0.80	...	...	...	15.956	-17.266	-2	...	...
...	35.509	+6.709	-4	M	...	...	26.093	-10.883	-4	M	...	...	15.941	-58.351	-4	M	...
131	-35.426	+36.201	-4	...	...	191	-25.577	-11.861	-4	M	...	251	-15.809	-20.561	-2	...	...
*	35.361	-26.588	0.90	...	...	*	25.237	-50.042	0.95	...	...	...	15.646	+51.525	-2	...	...
...	35.099	-17.906	-4	M	...	...	25.203	-17.734	-4	M	...	...	15.534	-45.025	-5	M	...
...	35.021	+17.972	-3	B	...	...	25.005	-12.660	-4	M	...	...	15.259	+50.300	-5	...	...
...	34.296	+58.588	-1	...	...	...	24.906	-52.835	0.65	...	...	*	14.965	-3.977	0.90	...	...
...	-34.199	+48.676	0.90	...	...	...	-24.453	+5.276	0.70	...	...	...	-14.921	+9.148	0.65	...	...
†	34.001	-4.860	-3	M	...	*	24.352	+32.130	1.60	43.9219	9.0	...	14.821	-39.128	0.65	...	...
...	33.894	-9.963	-4	M	...	...	24.209	-17.333	0.70	...	...	...	14.796	-28.762	-4	M	...
...	33.687	-23.091	-3	M	...	...	24.067	+10.279	-5	M	...	†	14.768	+16.675	-5	M	...
...	33.664	+3.444	-5	M	...	...	23.865	+26.742	-4	M	...	...	14.545	-49.923	-1	...	...
141	-33.541	-21.581	-5	M	...	201	-23.844	-32.275	0.95	...	...	261	-13.935	-19.614	-3	...	...
...	33.409	+6.247	-5	M	...	*	23.826	+33.581	1.40	43.9220	9.6	...	13.925	+17.256	-4	M	...
*	33.362	-43.107	1.40	44.9798	9.5	...	23.603	-34.034	0.70	...	...	...	13.618	+43.772	0.85	...	...
...	33.357	-55.505	-5	M	...	...	23.384	-48.864	-5	M	...	S*	13.494	+52.415	2.00	43.9226	8.2
...	33.348	+31.046	0.70	...	...	...	23.291	+49.159	0.95	...	...	*	13.439	-20.620	0.90	...	...
...	-32.945	-30.017	0.70	...	...	...	-23.274	+18.412	0.65	...	...	*	-13.429	-9.654	0.90	...	...
...	32.882	+34.140	-5	M	...	*	23.166	-2.153	0.85	...	...	...	13.050	+29.372	-2	...	...
...	32.881	+9.996	0.70	...	...	...	23.142	-5.025	-4	M	...	*	12.921	-23.170	0.90	...	...
...	32.805	+49.572	0.65	...	...	...	23.049	+28.386	0.75	...	...	...	12.916	+8.752	-5	M	...
...	32.166	+35.809	-5	M	...	...	22.552	-54.546	-5	M	...	...	12.863	+16.122	-1	...	...
151	-32.057	+1.479	1.60	44.9799	9.1	211	-22.459	+16.476	1.05	43.9221	10.1	271	-12.775	-31.322	0.70	...	...
...	31.980	-25.925	-3	M	...	*	22.348	+28.407	1.00	43.9222	10.5	...	12.758	-17.583	-5	M	...
...	31.931	+15.390	0.70	...	...	...	22.286	-46.171	0.70	...	...	...	12.416	+45.121	-5	M	...
...	31.903	-11.122	-5	M	...	...	22.110	-4.595	0.70	...	...	...	11.760	+41.856	0.80	...	...
...	31.703	+9.669	-4	M	...	...	21.685	+7.435	-4	M	...	...	11.671	+39.773	-5	M	...
...	-31.678	-11.660	-5	M	...	...	-21.476	-14.521	-3	M	...	*	-11.613	-24.235	0.80	...	...
...	31.647	-44.109	0.70	...	...	...	21.382	+13.414	-5	M	...	...	11.499	-39.028	-5	M	...
...	31.617	-16.561	0.70	B	...	...	20.535	-11.170	-4	M	...	...	11.471	-38.963	-3	...	...
...	31.455	+22.289	-3	M	...	...	20.384	-13.220	-5	M	...	...	11.435	+11.629	-5	M	...
...	31.278	+20.366	-5	M	...	...	20.355	+36.038	0.65	...	...	...	11.407	-50.177	-2	...	...
161	-31.244	+26.856	0.70	...	...	221	-20.228	-38.371	-5	M	...	281	-11.358	+3.315	1.00	44.9803	10.4
...	30.988	+18.056	-5	M	...	...	20.198	+4.326	0.70	...	...	...	11.246	-49.671	-3	M	...
...	30.984	-47.723	0.75	...	...	...	20.082	+3.287	0.70	...	...	...	11.115	-13.836	-5	M	...
*	30.901	+31.295	1.00	...	...	...	20.082	-30.538	0.70	...	...	...	10.870	+18.361	-3	M	...
...	30.829	-43.235	0.80	...	...	...	20.074	+34.258	-5	M	...	...	10.658	+0.242	-5	M	...
...	-30.788	-8.776	-4	M	...	...	-20.053	+22.051	0.70	...	...	*	-10.579	-55.388	0.90	...	...
...	30.483	-36.948	-3	M	...	...	20.022	-38.831	-3	M	...	...	10.387	+58.917	-2	...	...
...	30.423	-21.064	-3	M	...	*	19.914	+44.256	1.15	43.9224	10.1	...	10.380	+16.190	-3	...	...
...	30.327	-17.706	-3	M	...	*	19.575	+8.614	0.80	...	...	...	10.111	+32.839	-4	...	...
...	30.080	+5.510	0.85	...	...	...	19.320	-23.221	-2	...	...	...	10.016	-48.525	-2	...	...
171	-29.572	-0.536	-3	M	...	231	-19.181	-6.830	1.05	44.9801	9.6	291	-9.873	-5.870	-4	M	...
*	29.303	-37.772	0.90	...	...	S*	19.098	-20.552	-4	M	...	...	9.574	-4.441	-4	M	...
...	29.301	-8.735	-4	M	...	*	18.931	-28.270	0.90	...	...	*	9.564	-38.195	0.90	44.9804	10.5
...	29.216	-49.262	0.80	...	...	...	18.805	+22.125	-2	...	...	...	8.982	-36.663	-3	...	...
...	29.125	+48.057	-3	...	...	...	18.799	+25.284	-5	M	...	*	8.621	-28.263	0.85	...	...
...	-28.795	-19.055	0.70	...	...	...	-18.593	-50.413	-4	M	...	...	-8.523	+20.108	-2	...	...
*	28.548	-18.269	1.05	44.9800	10.0	...	18.564	-2.498	-2	...	...	...	8.045	+28.846	-2	...	...
...	28.481	+28.774	0.75	...	...	*	18.175	-43.023	1.00	44.9802	10.3	...	8.035	+1.774	0.75	...	...
*	28.080	-43.138	1.00	...	...	*	18.132	+44.112	0.95	...	...	...	8.011	-13.285	-3	M	...
...	27.928	+12.650	0.70	...	...	...	18.080	-30.231	-3	...	...	...	8.002	+36.413	-2	...	...

Notes.	Co-ordinates.		Diam. 0·75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0·75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0·75.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
301-360						361-420						421-480						
301	- 7·861	- 33·889	- 4	...	...	361	+ 3·370	- 32·222	0·80	...	...	421	+ 14·962	- 53·973	1·15	44·9810	9·8
*	7·743	+ 22·872	0·85	...	...	*	3·379	+ 10·660	0·90	...	...	...	15·767	- 17·471	- 5	m	...
...	7·693	+ 44·722	- 5	...	...	...	3·398	+ 38·441	- 1	...	...	...	15·981	+ 54·043	- 5	m	...
...	7·299	- 27·479	0·75	...	...	...	3·625	+ 39·102	0·65	...	...	...	15·995	- 37·928	0·75	a	...
...	7·041	+ 44·453	- 5	M	...	...	3·785	+ 14·968	1·00	43·9229	9·3	...	16·266	+ 41·119	0·70	...	...
†	- 6·996	+ 50·001	- 4	...	...	...	+ 4·264	+ 36·906	0·70	...	...	...	+ 16·358	+ 52·909	- 5	m	...
*	6·783	+ 46·448	1·00	43·9227	10·4	...	4·291	- 23·708	- 5	M m	...	...	16·639	+ 7·458	0·65	b	...
...	6·771	- 8·387	- 5	M	...	...	4·302	- 11·489	- 5	M m	...	...	* 16·719	+ 50·793	1·20	43·9237	10·2
...	6·746	- 57·979	- 5	M	4·457	- 33·276	- 5	M m	16·719	- 1·369	- 4	m	...
...	6·729	- 41·956	- 5	M	4·564	+ 26·433	- 4	M m	16·758	- 6·339	0·80	b	...
311	- 6·703	+ 9·222	0·65	...	...	371	+ 5·088	+ 58·846	0·80	...	...	431	+ 16·832	- 57·337	- 1	m	...
...	6·560	- 0·733	- 3	M	5·134	- 12·605	0·65	m	17·488	- 48·512	- 5	m	...
...	6·448	+ 27·834	- 2	A	...	S †	5·257	+ 15·740	1·10	43·9230	9·6	17·496	- 30·467	0·80
...	6·382	+ 47·448	- 4	5·352	- 7·619	0·65	m	17·571	- 2·559	0·75	b	...
...	6·003	+ 13·301	- 5	M	5·671	- 46·022	- 5	M m	17·577	- 38·201	1·05	44·9811	9·8
*	- 5·971	- 9·015	0·80	+ 5·841	+ 51·734	- 5	m	+ 17·615	+ 20·680	- 5	m	...
...	5·274	- 18·437	- 4	M m	...	*	5·934	+ 50·230	1·20	43·9231	10·0	17·687	- 55·384	0·90
...	5·171	+ 45·212	- 3	5·955	- 58·653	- 5	m	17·772	+ 41·861	0·90
...	4·416	+ 38·777	- 5	M m	6·123	+ 35·130	- 3	m	17·997	- 19·276	- 4	m	...
*	3·603	- 48·386	0·90	6·351	+ 39·535	- 5	m	18·413	+ 52·294	0·80
321	- 3·533	- 20·653	- 3	m	...	381	+ 6·539	+ 29·410	0·75	...	...	441	+ 18·554	- 33·652	- 5	m	...
...	3·364	- 31·973	- 1	m	...	*	6·720	+ 33·502	0·90	43·9232	10·4	*	18·648	+ 1·746	0·80	...	...
...	3·052	+ 50·617	- 4	m	...	...	6·785	+ 38·245	- 3	...	...	...	18·792	- 59·505	- 3	m	...
...	3·017	- 46·748	- 5	M m	...	...	7·389	+ 54·876	- 3	...	...	...	18·866	- 51·184	- 5	m	...
...	2·959	- 53·430	- 4	M m	...	...	8·066	- 10·522	- 2	m	...	...	19·124	- 56·885	- 5	m	...
...	- 2·924	+ 14·790	- 5	M m	...	...	+ 8·607	+ 12·933	- 4	m	...	...	+ 19·133	- 46·219	- 5	m	...
...	2·883	- 53·375	- 5	M m	...	...	9·178	+ 27·963	- 5	m	...	...	19·134	- 20·590	- 4	m	...
...	2·801	+ 33·110	- 5	M m	...	...	9·229	- 44·356	- 5	m	...	...	* 19·234	+ 46·167	1·30	43·9238	10·2
*	2·739	+ 28·614	0·75	...	...	...	9·544	- 22·612	0·70	b	...	...	* 19·691	- 39·092	0·90	44·9812	10·4
...	2·223	- 58·067	- 5	M m	...	*	9·608	- 28·294	0·80	...	...	...	19·943	+ 41·263	- 4	m	...
331	- 1·984	+ 37·678	- 5	M m	...	391	+ 10·016	- 37·446	- 2	m	...	451	+ 20·115	- 19·578	0·70	b	...	
...	1·721	+ 33·787	- 5	M m	...	†	10·161	+ 24·338	- 3	m	...	*	20·257	+ 31·202	1·60	43·9239	9·1	
S *	1·383	+ 6·667	1·70	43·9228	9·0	†	10·255	- 11·479	0·70	...	...	...	20·514	- 39·396	- 4	m	...
...	1·264	- 12·426	- 4	M m	...	†	10·300	- 2·972	- 4	m	...	S *	20·823	- 31·852	1·10	44·9813	9·6	
*	1·153	+ 36·402	0·75	...	...	*	10·518	+ 16·996	0·85	...	...	...	21·012	- 43·902	0·80	b	...
...	- 0·941	- 34·575	- 5	M m	...	...	+ 10·530	- 2·873	- 5	m	...	...	+ 21·034	+ 2·783	0·80	...	...
...	0·869	+ 51·703	0·70	...	...	...	10·998	+ 7·246	- 5	m	...	...	* 21·076	- 25·897	0·90	44·9814	10·5
...	0·356	- 39·191	- 1	m	...	...	11·095	+ 50·808	0·95	...	...	...	21·132	- 38·033	- 5	m	...
...	- 0·274	+ 51·791	- 1	...	...	...	11·131	+ 43·632	0·75	...	...	...	21·322	+ 25·953	- 5	m	...
*	+ 0·110	- 54·081	0·90	...	...	...	11·412	+ 19·831	0·70	...	...	...	* 21·407	- 22·465	1·15	44·9815	9·8
341	† + 0·264	+ 59·841	- 5	m	...	401	+ 11·464	- 32·353	1·15	44·9806	9·6	461	+ 21·574	- 22·537	0·70	...	...
...	0·367	- 3·581	- 3	M m	...	*	11·524	- 14·114	0·80	...	...	...	21·618	- 57·815	- 5	m	...
*	0·486	- 45·644	1·00	44·9805	10·3	...	11·674	+ 2·748	- 5	m	...	...	21·658	- 25·681	- 5	m	...
...	0·611	- 2·933	- 1	m	...	...	11·789	- 24·080	- 3	m	...	...	22·035	- 19·054	- 4	m	...
...	0·795	+ 58·552	- 4	m	...	*	11·867	- 5·857	1·30	44·9807	9·6	*	22·698	+ 24·306	0·90	43·9240	10·5	
...	+ 1·025	+ 55·083	- 5	M m	...	...	+ 11·998	- 37·311	- 4	m	...	...	+ 23·472	- 40·851	- 4	m	...
...	1·062	- 18·084	0·75	m	...	...	12·071	- 28·401	0·70	...	...	...	23·532	+ 36·187	- 5	m	...
...	1·209	- 46·629	- 5	M m	...	...	12·096	+ 58·925	- 5	m	...	...	23·801	- 3·457	0·80	b	...
...	1·504	- 1·425	- 4	M m	...	...	12·258	+ 48·412	0·65	...	...	...	23·882	+ 9·783	0·65	d	...
...	1·836	+ 45·789	0·65	...	...	...	12·264	- 18·110	- 5	m	...	...	23·941	- 3·057	- 5	m	...
351	+ 1·849	- 15·971	- 4	M m	...	411	+ 12·717	- 28·660	0·70	b	...	471	+ 23·980	+ 14·160	- 5	m	...	
...	2·361	- 52·497	- 2	m	...	*	13·227	- 7·549	1·20	44·9808	9·8	...	24·037	- 38·539	- 3	m	...	
...	2·366	+ 3·394	- 5	M m	...	...	13·613	- 18·114	- 4	m	...	...	24·104	+ 3·707	0·70	a	...
...	2·542	+ 52·156	- 5	m	...	...	13·656	- 17·988	0·65	b	...	...	24·108	- 40·106	0·75	b	...
...	2·566	- 25·740	- 4	M m	...	...	13·964	- 19·408	0·85	44·9809	10·5	S †	24·116	- 25·151	2·10	43·9241	8·2
...	+ 3·094	+ 55·234	0·75	...	...	...	+ 14·081	+ 21·862	- 4	m	...	...	+ 24·198	+ 43·958	0·70	...	...
...	3·149	- 25·658	- 5	M m	...	*	14·628	+ 18·426	1·00	43·9236	10·5	...	24·375	+ 44·366	- 5	m	...	
...	3·173	+ 17·429	- 5	M m	...	...	14·663	+ 39·170	0·70	...	...	...	24·411	- 6·569	- 5	m	...
...	3·191	+ 17·544	- 5	M m	...	...	14·666	- 10·192	- 1	m	...	...	24·448	- 16·439	- 4	m	...
...	3·236	- 5·492	- 4	M m	...	...	14·938	+ 17·419	0·65	b	...	...	24·528	+ 7·367	0·65	b	...

Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.		Notes.	Co-ordinates.		Diam. 0.75.	C.P.D.						
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.					
481-540						541-600						601-646										
481	†	+24.761	-19.763	-3	m	...	541	S *	+35.681	-50.658	1.50	44.9823	9.1	601	...	+50.004	-17.489	-3	c	...		
...	...	24.764	+47.109	-4	m	...	...	...	35.962	-38.020	0.80	a	...	...	*	50.956	+5.431	1.00	43.9247	10.4	
...	...	24.928	+33.237	-5	m	...	...	...	36.015	+31.489	0.95	...	...	...	*	51.044	-40.412	1.15	44.9829	10.1	
...	†	25.115	+46.885	-3	...	...	...	...	36.238	-20.659	0.80	a	...	...	*	51.069	-19.378	1.15	44.9828	9.8	
...	...	25.906	+40.458	0.65	...	...	...	...	36.293	-7.105	0.90	...	...	...	*	51.446	-18.161	0.80	e	...	
...	...	+26.171	+4.505	-5	m	...	...	...	+36.309	-36.998	-2	m	...	...	*	+51.699	+25.749	0.90	43.9248	10.5	
...	...	26.315	-41.425	-5	m	...	...	...	36.383	+3.529	0.90	...	...	...	...	51.894	-5.665	-2	e	...	
...	...	26.369	-56.623	-4	m	...	...	...	36.467	-36.874	0.70	a	...	...	...	52.019	-23.386	0.70	e	...	
...	...	26.398	+24.524	0.75	...	...	...	...	37.198	+0.034	1.00	44.9824	10.4	...	*	52.892	+20.788	0.80	...	...
...	...	26.471	+33.619	-3	m	...	...	...	37.199	-12.741	-1	m	...	...	...	...	53.546	-35.952	-5	e	...
491	*	+26.479	-16.682	1.05	44.9816	9.8	551	...	+37.256	-55.083	-5	m	...	...	611	...	+53.781	+58.043	0.90	...	...
...	*	26.553	-17.527	1.05	44.9817	10.0	...	...	37.657	-47.447	1.70	44.9825	9.0	...	...	...	53.871	+34.071	-5	e	...
...	...	27.189	-12.344	-5	m	...	...	...	38.004	+36.391	-5	m	...	...	...	...	54.268	+29.356	-4	e	...
...	...	27.394	-36.234	-5	m	...	...	...	38.733	+2.919	0.70	...	...	...	...	*	54.420	+54.734	0.90	...	...
...	...	27.453	+29.187	0.75	38.862	+18.097	-5	m	54.995	+20.993	0.70
...	...	+27.677	+19.032	-5	m	...	...	...	+38.910	+18.821	-5	m	...	...	...	†	+55.018	+26.362	-4	m	...
...	*	27.769	-1.960	1.00	44.9818	10.4	...	...	39.838	-4.216	-3	m	...	...	...	...	55.265	+45.368	0.65	...	...
...	*	27.927	+23.624	1.05	43.9242	10.3	39.997	+49.547	-5	m	*	55.420	-21.236	1.20	44.9830	9.6
...	...	28.325	-38.063	-3	m	40.558	-31.375	-4	m	55.710	-21.021	-4	e	...
...	*	28.359	+42.105	1.40	43.9243	10.0	40.849	+27.185	-4	m	55.794	-46.285	0.80
501	...	+28.391	-9.039	-5	m	...	561	...	+40.914	+15.426	-4	m	...	...	621	...	+55.854	+44.937	0.75	...	...
...	...	28.635	-28.118	-5	m	...	...	...	41.122	+51.849	0.80	...	...	...	...	...	55.942	+39.278	-1	...	...
...	...	28.695	-41.520	-3	m	...	...	...	41.226	+28.519	-5	m	...	...	...	*	55.996	+42.549	1.15	43.9249	10.4
...	†	28.871	-49.768	-3	m	...	...	...	41.407	-5.549	0.80	...	...	...	*	56.086	+1.760	1.00	44.9831	10.5	
...	*	28.942	+43.636	1.60	43.9244	9.1	...	...	41.899	-43.338	0.75	b	...	...	...	...	56.487	-12.194	-2	e	...
...	...	+28.972	-48.572	0.70	b	...	...	...	+42.039	-1.859	-4	m	...	...	...	*	+56.605	+31.363	1.00	43.9250	10.5
...	...	29.078	-40.849	0.80	a	42.119	-1.061	-4	m	56.661	-44.086	0.65	e	...
...	...	29.271	-31.182	-2	m	42.218	+5.154	-5	m	57.362	-55.689	-5	m	...
...	...	29.629	+38.458	-1	b	42.315	-11.114	-5	m	57.477	-4.183	-3	e	...
...	...	29.654	-30.534	0.80	44.9819	10.5	42.812	-25.842	-1	m	58.008	+2.423	-5	m	...
511	...	+29.665	-30.435	-1	m	...	571	*	+42.931	-32.421	0.95	44.9826	10.5	631	...	+58.109	+12.778	0.70	...	...
...	*	29.925	-19.286	1.00	44.9820	10.0	...	...	42.988	-57.296	1.10	45.9960	10.5	...	...	...	58.270	-29.234	-4	e	...
...	...	29.956	+30.496	-4	m	43.242	+0.607	-5	m	58.281	-45.668	0.70	e	...
...	...	30.391	-3.280	-5	m	43.401	-35.907	0.70	a	58.330	-35.918	-2	e	...
...	...	30.519	+34.649	0.65	a	43.439	-4.635	-3	m	58.559	+25.232	-4	e	...
...	...	+30.553	+43.818	-5	m	...	...	...	+43.630	+27.290	0.70	a	...	...	...	*	+58.936	-54.338	0.90	...	...
...	*	30.573	-7.095	0.95	44.9821	10.3	43.843	+17.464	0.70	58.938	-15.630	-5	m	...
...	...	30.652	-1.399	-5	m	43.966	+54.551	-5	58.947	-24.549	0.90
...	...	31.108	-28.154	-4	m	44.004	-7.826	-5	m	59.191	+3.388	0.90
...	*	31.482	-59.621	1.00	45.9955	10.4	44.106	+22.483	0.75	59.307	+31.729	-5
521	...	+31.543	-38.193	-5	m	...	581	...	+44.137	-33.436	-4	m	...	...	641	...	+59.378	+11.009	-4	e	...
...	...	31.547	+7.523	-3	m	...	...	...	44.260	+16.088	-2	...	...	...	*	59.437	-6.202	1.15	44.9832	9.8	
...	...	31.638	-28.669	-5	m	...	...	...	44.553	+26.362	0.70	a	...	...	...	...	59.523	+34.754	-5	m	...
...	*	31.695	-32.207	0.80	...	...	...	...	44.920	+50.409	2.00	43.9245	8.8	...	*	59.589	-50.453	1.05	44.9833	10.5	
...	...	31.808	-58.354	0.65	m	...	...	...	45.252	+13.657	-2	...	...	...	*	59.749	+32.609	1.20	43.9251	10.0	
...	...	+31.944	-25.388	0.80	+45.418	-13.236	-3	m	59.812	-25.701	-4	m	...
...	...	31.987	-56.658	0.65	m	...	...	...	45.491	-9.752	-2	m	...	...	...	...	...	...	...	...	...
...	...	32.143	-7.789	-5	m	...	...	...	45.939	-13.923	-3	m	...	...	...	...	...	...	...	...	...
...	...	32.217	-30.118	-5	m	...	...	...	46.417	-51.959	-5	m	...	...	...	...	...	...	...	...	...
...	...	32.451	+49.683	-5	m	...	...	...	46.514	+22.675	0.90	...	...	...	...	...	...	...	...	...	...
531	...	+32.476	+43.690	-1	b	...	591	...	+46.827	-18.023	-3	m	...	...	...	...	...	...	...	...	...
...	...	32.509	-47.306	0.70	b	...	...	...	46.963	-49.758	-5	e	...	...	...	...	...	...	...	...	...
...	...	32.520	-8.317	-1	m	...	...	...	S *	47.745	-43.087	2.00	44.9827	8.6	...	...	...	...	...	...	...
...	...	33.762	+12.768	0.70	...	...	...	...	...	48.047	-35.612	-5	m	...	...	...	...	...	...	...	...
...	...	34.173	-43.095	-5	m	...	...	...	...	48.840	+10.279	0.85	...	...	...	...	...	...	...	...	...
...	*	+34.408	-52.960	-5	m	...	...	...	...	+48.862	+10.917	0.75	...	...	...	...	...	...	...	...	...
...	...	34.543	-25.127	1.05	44.9822	10.1	...	...	...	49.272	-19.163	0.80	...	...	...	...	...	...	...	...	...
...	...	34.761	-17.469	-3	m	...	...	...	...	49.339	+18.323	0.80	...	...	...	...	...	...	...	...	...
...	*	34.958	+5.511	0.90	...	...	...	...	...	49.749	-28.534	-5	m	...	...	...	...	...	...	...	...
...	...	35.289	-58.086	0.70	b	...	...	...	...	49.811	+12.419	-5	e	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
1-60						61-120						121-180							
I	...	-59'453	-49'964	-5	E	...	...	-43'140	-30'092	-5	M	...	...	-25'168	-58'434	-4	M
...	...	59'428	+10'108	-1	...	...	...	42'680	+34'630	-5	M	...	...	24'992	-4'393	-5	M
...	...	59'420	+10'739	-1	...	...	...	42'111	+52'603	1'35	43.9253	9·8	*	24'915	-3'056	1'20	44.9842
S *	...	59'152	+18'150	-4	...	...	...	41'249	+43'042	0'70	...	...	...	24'833	-28'395	-5	M
...	...	58'873	-43'271	2'30	44.9827	8·6	*	41'116	+8'500	1'00	43.9254	10·2	...	24'356	-34'527	-4	M		
...	...	-58'503	+12'257	-5	E	...	...	-40'906	-22'227	0'90	44.9834	10·4	*	-24'144	+47'716	0'90	43.9259
...	...	58'096	-19'310	-1	...	...	...	40'245	+3'920	-5	M	...	...	24'070	-35'882	0'85	44.9843
...	...	57'405	-17'606	-5	E	...	...	40'154	-35'347	-5	M	...	...	23'644	+24'151	0'90	43.9260
...	...	57'156	+5'329	0'95	43.9247	10·4	S †	39'799	+19'943	2'00	43.9255	8·7	...	23'437	-10'349	-4	M		
...	...	57'032	+25'671	0'85	43.9248	10·5	*	39'755	-54'443	2'00	44.9835	9·2	...	23'425	+5'772	-1	43.9261		
II	...	-56'287	-19'455	1'20	44.9828	9·8	7I	...	-39'694	+26'184	-4	-23'351	+45'046	-4	M	
...	...	55'946	-18'235	-3	E	...	...	39'258	+44'441	-4	M	...	...	22'998	+2'416	1'20	44.9844
...	...	55'933	+57'992	0'80	...	...	...	39'033	+44'600	-5	M	...	...	22'414	+27'698	-5	M
...	...	55'867	-5'729	-5	E	...	...	38'931	-55'159	-3	M	...	...	22'408	+56'616	-4	...
...	...	55'695	+20'739	-1	...	...	...	38'851	+6'959	1'20	43.9256	9·6	...	22'132	-2'640	-5	M
...	...	-55'644	-40'484	1'10	44.9829	10·1	*	-38'799	-15'362	-5	M	...	...	-21'965	+55'857	0'65	...
...	...	55'213	-23'454	-3	E	...	...	38'209	+52'684	-5	M	...	...	21'922	-53'041	-4	M
...	...	55'171	+54'700	0'80	...	...	...	37'878	-40'917	0'95	44.9836	10·4	*	21'288	+32'707	1'40	43.9262
...	...	55'113	+34'020	-5	E	...	...	37'868	-18'516	-3	M	...	...	21'230	-4'773	-4	...
...	...	55'055	+37'525	-5	M	...	...	37'630	+4'238	-5	...	...	...	20'660	-30'257	-5	M
2I	...	-54'572	+29'341	-5	E	-37'339	-31'015	-3	M	-20'655	+38'300	-5	...	
...	...	54'076	+45'377	-3	37'027	-14'529	-3	M	20'529	+4'487	-4	...	
...	...	53'584	+21'003	-4	...	...	...	36'254	+21'964	1'20	43.9257	9·6	*	19'942	+37'074	-4	...
...	...	53'460	+44'978	-1	...	...	...	36'100	+58'640	-5	M	...	...	19'577	-41'294	-1	...
...	...	53'297	-35'975	-5	E	...	...	35'956	+5'730	0'80	...	...	...	19'567	-22'438	-4	M
...	...	-53'250	+42'590	0'90	43.9249	10·4	...	-35'893	-43'569	-5	M	...	...	-19'078	-35'010	-5	M
...	...	53'193	+39'316	-4	...	...	...	35'549	-46'250	-5	M	...	...	19'075	+10'832	-4	M
...	...	52'299	+31'421	0'90	43.9250	10·5	...	34'710	+19'281	-3	...	...	...	18'854	-11'015	-5	M
...	...	51'913	+1'821	0'90	44.9831	10·5	...	34'570	-41'006	-4	M	...	...	18'715	+13'171	-2	...
...	...	51'865	-21'183	1'20	44.9830	9·6	...	34'388	+16'909	-5	M	...	...	18'691	-53'934	0'70	...
3I	...	-51'576	-20'958	-5	E	-33'907	-35'207	-2	-18'628	-7'100	1'20	44.9845	
...	...	51'081	-12'110	-5	E	33'590	-58'103	1'80	45.9977	9·1	18'223	-35'595	-3	M	
...	...	50'726	-46'209	-2	32'909	-16'291	1'15	44.9837	10·3	18'093	-59'053	-3	M	
...	...	50'356	-4'069	-5	E	...	...	32'592	-24'091	-4	...	...	...	17'667	+34'641	-4	...
...	...	50'222	+12'882	-3	...	...	...	32'348	-31'679	-4	M	...	...	17'636	+59'143	-3	...
...	...	-50'175	+25'345	-5	E	...	...	-32'293	-11'503	-5	M	...	...	17'621	+9'335	1'40	43.9263
...	...	49'945	-43'978	-4	E	...	...	32'071	-34'564	-4	M	...	...	16'806	+36'736	-4	...
...	...	49'622	+31'864	-5	...	...	...	31'390	-51'443	4'60	44.9838	6·6	...	16'547	-16'913	-5	M
...	...	49'181	+32'754	1'05	43.9251	10·0	S *	30'875	-29'439	0'80	...	...	...	16'023	+38'593	-3	...
...	...	48'910	+11'161	-5	E	...	...	30'861	-38'369	-3	M	...	...	15'858	-17'370	-2	...
4I	...	-48'864	+3'536	0'75	10I	...	-30'599	-50'835	1'00	44.9839	9·8	16I	...	-15'387	+37'969	-3	...
...	...	48'799	-29'094	-5	E	29'465	-36'033	1'00	44.9840	10·2	*	...	15'387	-39'055	0'85	44.9846	
...	...	48'512	-35'781	-5	E	...	...	29'370	-43'132	-5	M	...	...	15'165	-47'059	-3	M
...	...	48'304	-6'038	1'10	44.9832	9·8	...	29'252	+44'683	-5	M	...	...	14'748	-22'208	-2	...
...	...	48'262	-24'393	0'75	...	...	...	29'033	+19'237	-5	M	...	...	14'707	-19'065	0'90	...
...	...	-48'250	-45'527	-4	E	...	...	-28'404	-6'665	-1	...	...	...	-14'598	+30'059	0'70	43.9264
...	...	47'357	-54'177	0'75	...	...	...	28'170	-36'037	-4	M	...	...	13'777	+58'666	-1	...
...	...	47'185	+3'654	0'70	...	...	...	27'806	+48'916	-4	...	...	...	13'594	-49'472	1'10	44.9847
...	...	46'858	+9'114	0'85	43.9252	10·5	...	27'728	-47'816	-2	...	...	...	13'509	+39'726	-4	M
...	...	46'800	-50'271	0'90	44.9833	10·5	...	27'706	+50'161	-5	M	...	...	13'109	-21'889	1'80	44.9848
5I	...	-46'789	-9'411	-4	M	...	11I	...	-27'452	+12'714	3'20	43.9258	7·6	17I	...	-12'884	-55'853	-4	M
...	...	46'729	+53'656	0'70	...	...	...	27'365	-41'749	-4	M	...	...	12'486	-38'423	0'95	44.9849
...	...	46'209	+9'057	-5	26'563	-8'446	1'60	44.9841	9·2	*	...	12'277	+55'986	-3	...	
...	...	45'993	+14'069	-5	...	...	...	26'547	+50'045	-5	M	...	...	12'141	-55'948	-4	...
...	...	45'089	+35'601	0'80	...	...	...	26'186	+36'569	-4	M	...	...	12'118	-32'003	1'00	44.9850
...	...	-44'804	+41'170	-2	...	...	...	-25'900	-8'007	-4	M	...	...	-11'810	-19'700	-5	M
...	...	44'114	-47'767	-5	M	...	...	25'525	+6'668	-4	...	...	...	11'775	-14'450	2'20	43.9265
...	...	44'087	+34'529	-5	M	...	...	25'359	+0'725	-4	...	...	...	11'388	-19'481	-2	...
...	...	43'964	-35'596	-4	M	...	...	25'231	-23'644	-4	M	...	...	11'183	-40'917	4'40	44.9851
...	...	43'578	+1'336	0'65	...	...	...	25'211	+31'885	-4	...	...	...	10'702	-39'743	-4	...

ES measured from 1, 207.
MC 102, 209

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-240						241-300						301-360					
181	-10.625	-27.873	-5	M	...	241	+12.310	-26.820	-5	m	...	301	+31.955	-37.203	-4	m	...
...	9.998	+17.412	-1	43.9266	10.5	...	12.594	+23.536	-2	...	...	...	32.167	-58.420	0.95	45.10002	10.2
...	9.973	-45.587	-5	M	...	...	12.753	-31.258	-5	m	...	...	32.407	-41.752	-3	m	...
...	9.432	-9.014	-4	M	...	...	12.768	-54.698	-5	m	...	...	32.495	+41.516	-2	...	...
...	9.099	+42.902	0.65	...	...	...	12.835	-53.696	-4	m	...	...	32.655	+48.545	1.00	43.9277	9.8
...	-8.063	+29.243	-4	...	...	...	+12.964	-16.722	0.70	...	...	...	+33.157	-36.271	-5	m	...
...	7.882	-36.428	0.90	44.9852	10.5	...	13.063	+9.341	-2	...	...	...	33.253	-16.431	-4	m	...
...	7.587	-33.648	-5	M	...	...	13.825	+3.802	-5	...	...	...	33.492	+38.773	1.20	43.9278	10.1
...	4.492	+23.797	-1	...	...	...	14.249	+10.847	-5	m	...	...	33.524	+24.454	0.90	43.9280	10.5
...	4.277	-37.333	0.80	44.9853	10.5	...	14.302	-54.716	-5	m	...	...	33.610	+51.522	1.10	43.9279	10.0
191	-4.260	-40.909	-4	M m	...	251	+14.305	+31.178	0.90	43.9271	10.2	311	+33.650	-59.628	1.10	45.10003	9.8
...	3.777	-55.631	-4	M m	...	...	14.334	-22.345	-5	m	...	S*	33.711	-20.349	1.20	44.9863	9.6
...	3.574	-33.015	-4	m	...	...	14.558	+57.546	-5	...	...	S*	34.276	+2.391	1.20	44.9864	9.8
...	3.445	+50.951	0.90	...	...	...	15.219	-47.528	0.70	...	...	...	34.348	+54.928	-4	...	...
...	3.301	-9.345	-5	M m	...	...	15.454	+49.891	-1	...	...	...	34.433	-16.282	0.95	44.9865	10.4
*	-2.530	-59.338	0.90	45.9990	10.4	...	+16.091	+51.055	-5	...	...	S*	+34.713	+21.491	0.90	43.9282	10.5
...	2.430	+14.218	-4	...	...	...	16.126	-58.014	-3	a	...	...	34.886	+21.768	-4	...	...
...	1.935	-11.579	-5	M m	...	S*	16.337	-52.396	2.90	44.9857	7.5	S*	34.947	-52.051	1.00	44.9866	10.5
...	1.814	-41.337	-4	M m	...	...	16.368	-30.223	-5	m	...	...	35.293	+26.789	-4	...	...
...	1.743	+38.408	-3	...	...	...	16.770	+7.424	-1	...	...	...	35.374	-55.581	0.90	45.10005	10.5
201	-1.619	-49.795	-4	M m	...	261	+17.019	+29.657	-3	...	...	321	+35.630	+56.932	-5	...	...
...	1.388	-9.384	0.90	44.9854	10.4	...	17.293	-48.097	0.65	...	...	...	36.278	+1.886	-4	...	...
...	0.976	+24.593	-3	...	...	...	17.345	+50.206	-3	...	...	...	36.327	+42.000	-4	...	...
...	0.570	+42.093	-2	...	...	...	17.665	+4.055	-5	...	...	...	36.570	-16.629	-1	...	...
...	0.375	+47.120	-3	...	...	...	18.206	-17.486	-5	m	...	S*	36.688	-30.282	1.40	44.9867	9.6
...	-0.277	+55.898	-1	...	...	...	+18.337	+57.398	-4	...	...	S*	+36.767	+13.146	1.00	43.9283	10.3
*	+0.637	+56.340	1.05	43.9267	10.0	*	18.476	-46.430	1.15	44.9858	10.0	...	36.850	+42.368	-4	...	...
...	0.858	+39.203	-3	...	...	...	18.797	+58.021	-4	...	...	...	37.025	+25.018	0.75	...	...
...	1.214	-18.808	-2	M m	...	...	19.534	+43.090	-5	...	...	...	38.079	+7.041	-3	...	...
...	2.087	-36.124	-3	M m	...	*	19.931	+57.527	0.95	43.9272	10.4	...	38.170	+46.444	-5	...	...
211	+2.192	+21.835	-5	...	...	271	+20.035	-58.989	-5	m	...	331	+38.232	+33.963	-3	...	...
...	3.100	+50.940	-2	...	...	...	20.302	-4.296	0.95	44.9859	10.0	...	38.503	+28.423	-4	...	...
...	3.233	-16.831	-1	M m	...	*	20.334	+51.264	-3	...	...	...	39.130	-27.530	-3	m	...
...	3.309	-40.507	-4	M m	...	...	20.574	+4.592	-4	...	...	SN †	39.162	+34.800	1.90	43.9284	8.7
...	3.465	+46.744	-5	...	...	...	20.916	-35.551	-5	m	...	...	39.227	+47.594	-3	...	...
...	+3.748	+45.935	-3	...	...	...	+21.837	-18.561	-2	m	...	†	+39.807	-57.694	-4	m	...
...	3.857	-50.485	-3	M m	...	...	22.094	-16.084	-5	m	...	†	39.821	+11.719	1.20	43.9285	9.6
...	4.742	-50.798	-5	M m	...	...	22.550	-15.435	-5	m	...	...	39.881	+1.213	-2	...	...
†	4.956	+18.322	1.40	43.9268	9.5	...	22.666	-17.312	0.75	44.9860	10.5	...	39.915	-19.421	-4	m	...
...	5.543	-16.144	-3	M m	...	...	22.895	+20.510	0.65	43.9273	10.5	...	40.254	+13.093	-4	...	...
221	+5.665	-11.019	-3	...	...	281	+23.631	+45.907	1.00	43.9274	10.2	341	+40.263	+50.106	-5	...	...
...	6.879	-54.003	-3	m	...	...	23.714	-43.601	0.70	...	...	S*	41.375	-44.179	1.80	44.9868	9.0
...	6.921	-53.687	-5	m	...	*	23.913	+26.218	0.90	43.9275	10.2	...	41.578	-28.164	-4	m	...
*	6.984	-44.422	0.90	44.9855	10.3	...	24.297	-22.999	-5	m	...	...	41.856	+11.396	1.20	43.9286	9.6
...	7.087	+53.347	-5	...	...	...	24.336	-24.730	-5	m	...	...	41.918	+2.514	-4	...	...
S*	+7.163	+36.641	2.90	43.9269	7.5	...	+25.248	-34.851	-4	m	...	...	+42.355	-36.407	-5	m	...
...	7.242	+46.501	0.75	...	...	...	25.456	-42.591	-5	m	...	†	42.532	+19.942	-5	...	...
...	7.262	+23.801	-5	m	...	...	25.760	+42.942	0.85	...	...	S*	42.836	-36.868	1.20	44.9869	9.6
...	7.519	+50.429	-5	...	...	...	26.041	+27.068	-1	...	...	...	43.881	+58.237	-3	...	...
...	8.133	-30.405	0.70	...	...	...	26.238	+29.752	-4	...	...	...	44.125	+2.217	-5	m	...
231	+8.883	+22.745	-5	...	...	291	+26.466	-56.027	-5	m	...	351	+44.211	+27.770	-5	...	...
...	9.271	-5.407	-3	m	...	*	26.473	-28.899	1.80	44.9861	9.2	...	44.430	+18.563	-4	...	...
...	9.280	+19.224	0.65	...	...	*	26.530	-24.332	0.90	44.9862	10.3	...	44.482	+47.811	-4	...	...
S*	9.701	+9.304	2.70	43.9270	7.8	...	26.837	+41.015	-5	...	...	...	44.637	+31.506	-1	...	...
...	10.090	-2.175	-5	m	...	...	27.530	+40.830	-5	...	...	...	45.164	-26.245	-5	m	...
...	+10.372	-21.642	0.65	...	...	...	+27.956	-8.726	-5	m	...	...	+45.238	-26.286	-5	m	...
...	11.087	-28.243	-5	m	...	...	28.358	+0.321	-1	...	...	...	45.399	-21.587	0.65	...	...
...	11.483	+47.255	-4	...	...	...	28.940	+17.389	0.80	...	...	...	45.402	-4.921	-4	m	...
...	11.518	+41.685	-4	...	...	...	31.310	-44.614	0.65	...	...	...	45.649	-0.201	-4	m	...
...	12.053	-35.417	0.80	44.9856	10.5	*	31.495	+49.423	2.00	43.9276	8.4	...	45.941	-49.048	-4	m	...

334. Re-measure 1913, y = +34'.814.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
361-380						381-400						401-412					
361	+46°014	+47°114	- 3	...	...	381	+51°726	+59°028	- 4	...	...	401	+56°232	-23°772	0·90	...	...
...	46°104	+ 3°245	- 3	...	...	...	51°809	-14°986	- 3	m	...	...	56°460	-36°783	- 3	m	...
*	46°455	-54°093	1·40	44·9870	9·6	...	52°057	+35°442	- 5	...	...	...	56°706	+21°614	1·00	...	...
...	47°139	+46°133	- 5	...	...	...	52°258	+47°818	- 4	...	...	...	56°887	+19°750	- 3	...	...
...	47°292	-31°041	- 5	m	...	...	52°741	+ 6·251	- 5	...	...	...	57°477	-13°599	- 3	e	...
...	+47°377	+22°694	- 3	...	...	...	+52°881	-45°628	- 4	m	...	...	+57°522	+39°901	0·75	...	...
...	47°872	+50°487	- 3	...	...	...	53°324	-52°133	- 3	...	...	...	57°601	- 8°081	- 4	m	...
...	47°997	+43°655	- 4	...	...	...	53°458	+ 0°658	0·80	...	...	...	57°714	+13°317	0·65	...	...
...	48°057	+ 2°674	- 5	...	...	...	53°890	- 3°635	- 4	m	...	...	57°856	-18°874	- 3	m	...
...	48°181	+28°061	0·90	...	...	*	54°013	+45°340	1·20	43·9287	10·1	...	57°948	+ 5°374	- 5	...	...
371	+48°325	-13°505	0·90	44·9871	10·5	391	+54°233	+26°269	- 5	...	...	411	+59°096	+19°104	- 2	...	...
...	48°562	+36°797	- 2	...	...	...	54°582	+17°768	- 4	...	...	...	59°204	-29°914	- 3	m	...
...	48°961	+51°797	- 5	...	...	...	54°626	-11°046	- 5	m	...	...			
...	49°082	+38°922	0·65	...	...	...	54°922	+ 0°676	- 5	...	...	...		
...	49°193	-15°934	- 4	m	...	...	55°464	+43°597	- 1	...	...	...		
*	+50°096	-12°146	0·95	44·9872	10·4	...	+55°684	-49°858	- 5	m	...	...			
...	50°645	-15°674	- 5	m	...	...	55°820	+12°570	0·65	...	...	...		
...	51°016	+36°897	0·85	...	...	...	56°160	- 7°524	- 3	m	...	...			
...	51°253	- 4°825	- 2	e	...	...	56°197	+17°358	- 4	...	...	...		
...	51°545	-47°490	- 4	m	...	...	56°206	+ 4°085	- 5	m	...	...			

1-30						31-60						61-90					
1	-59°805	-54°280	0·70	44·9870	9·6	31	-35°899	- 0°572	- 4	B	...	61	-14°123	- 6°746	1·95	44·9880	8·4
...	59°195	-13°673	0·65	44·9871	10·5	...	35°697	-57°751	- 5	...	...	S*	13°223	+54°278	1·00	43·9299	10·0
...	58°028	+36°788	- 5	...	...	...	33°456	+ 1°294	- 2	...	...	S*	12°658	+41°573	1·65	43·9300	9·2
...	57°463	-12°263	0·80	44·9872	10·4	...	31°384	+ 7°470	0·80	...	...	S*	11°873	-37°541	1·00	44·9881	9·4
...	56°510	- 4°905	- 4	E	...	...	30°825	+50°451	1·00	43·9293	9·8	...	11°798	+ 2°515	- 5	...	...
...	-55°287	+45°316	- 1	43·9287	10·1	...	-30°616	-53°752	- 4	...	...	...	-10°707	+20°084	1·00	43·9301	9·8
...	54°467	+ 0°644	- 2	...	...	...	29°184	-41°627	- 4	...	...	...	10°597	+43°607	- 5	...	...
...	53°777	+43°605	- 4	...	...	...	28°818	- 2°898	- 4	B	...	S*	10°524	+14°798	1·00	43·9302	10·0
...	52°494	+12°616	- 5	...	...	...	28°769	-33°956	- 4	...	...	†	10°116	-40°459	0·70	44·9882	10·0
...	51°866	+21°688	1·00	...	...	...	28°768	-33°815	- 4	...	...	*	9°835	+23°465	1·00	43·9303	9·8
11	-51°608	+39°975	- 3	...	...	41	-28°738	- 7°872	- 5	M	...	71	- 9°508	+32°496	- 5	...	...
...	50°959	-23°684	- 1	...	...	...	28°297	+ 9°564	- 5	...	...	...	9°421	-54°179	- 4	...	...
...	50°627	+13°426	- 4	...	...	...	27°494	-51°494	- 2	44·9878	10·0	...	9°284	-24°912	0·95	...	...
...	50°023	-13°472	- 5	E	...	...	26°978	+22°823	1·00	43·9294	10·0	...	8°601	+25°606	- 4	...	...
...	49°410	+19°247	- 4	...	...	...	26°961	+13°761	- 5	...	...	*	8°557	+36°300	1·20	43·9304	9·6
...	-47°919	+23°016	- 3	...	...	...	-25°886	-54°467	- 3	...	...	...	- 8°096	- 5°690	- 4	...	...
...	47°553	+39°853	- 3	43·9289	10·0	...	24°207	+29°468	- 5	...	...	*	8°061	-41°996	1·00	43·9305	9·8
...	47°155	-27°632	- 3	44·9873	10·5	...	23°389	-28°259	- 5	M	...	...	6°523	-44°594	- 4	M	...
...	45°408	-22°751	0·65	44·9874	10·0	...	22°521	+36°267	0·90	43·9297	10·0	...	4°133	-35°801	- 3	44·9883	10·0
...	44°135	+56°879	- 1	...	...	...	22°431	+18°677	0·85	43·9296	10·0	...	3°370	-23°728	0·70	...	...
21	-41°979	-24°263	1·00	44·9875	10·0	51	-21°336	+43°766	- 2	...	...	81	- 2°871	-26°142	- 5	B m	...
*	41°013	- 4°414	0·65	...	...	...	21°169	+51°496	- 5	...	...	...	2°372	+37°327	- 5	...	...
S*	40°374	+46°231	1·20	43·9290	9·8	...	19°626	-17°891	- 5	M	...	...	2°312	+17°251	- 3	...	...
...	38°327	+ 7°833	0·75	43·9291	10·0	...	19°090	-52°332	- 5	...	...	...	2°236	-39°818	- 4	...	...
*	38°086	+19°741	1·00	43·9292	9·6	...	18°131	+35°805	- 5	...	...	...	2°208	+30°048	1·00	43·9306	9·4
S*	-37°859	-26°522	1·00	44·9876	10·0	*	-17°793	+ 9°758	1·20	43·9298	9·4	...	- 2°133	+46°511	0·70	...	...
...	36°869	+ 5°707	0·65	...	...	...	17°645	-49°585	- 3	44·9879	10·0	...	1°613	-27°401	- 2	...	...
...	36°851	+49°344	- 3	...	...	...	17°575	-49°565	- 5	M	...	...	1°075	+57°105	- 5	...	...
†	36°759	+50°228	- 5	...	...	...	16°299	-25°299	- 5	M	...	...	0°761	-19°067	0·65	...	...
...	36°391	-42°941	1·00	44·9877	10·0	...	15°339	-54°015	- 4	...	...	...	0°297	-26°582	- 4	...	...

L measured from 1
LB 91

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-120						121-150						151-160					
91	+ 0'602	+ 42'024	- 5	...	...	121	+ 19'563	+ 38'357	1'10	43.9314	10·0	151	+ 47'682	+ 4'071	0'75	44.9897	10·0
...	0'772	- 7'052	1'15	44.9884	9·6	S *	19'995	+ 15'524	1'25	43.9315	8·8	...	50'080	+ 45'639	1'00	43.9321	9·8
*	2'092	+ 51'010	- 3	...	...	...	20'612	+ 40'877	- 5	...	...	...	50'115	+ 20'093	- 4	...	...
S *	2'226	+ 23'256	1'45	43.9307	9·0	S *	20'796	+ 37'464	2'20	43.9316	8·2	...	50'198	- 26'960	- 4	...	...
...	2'663	- 9'193	- 1	...	...	*	21'289	- 21'139	2'50	44.9892	7·5	...	50'296	+ 14'063	0'95	43.9322	10·0
*	+ 3'972	- 23'373	1'00	44.9885	9·8	...	+ 21'479	- 1'995	- 5	m	...	...	+ 50'326	+ 54'356	- 1	...	...
...	5'326	+ 29'286	- 1	...	...	S *	22'151	- 1'030	1'00	44.9893	9·4	...	53'426	- 17'624	- 5	...	...
...	5'757	+ 45'575	- 4	...	...	...	24'634	+ 54'037	- 5	...	...	...	57'355	+ 5'810	- 3	...	...
...	5'843	+ 7'724	0'75	43.9308	10·0	...	24'873	- 37'853	- 4	...	...	S *	57'913	- 29'961	1'80	44.9898	8·2
...	6'471	+ 31'511	- 5	...	...	...	25'680	- 45'591	- 4	...	...	S *	59'419	- 15'952	2'00	44.9899	8·0
IOI	...	...	...	...	...	131	+ 25'913	+ 26'721	0'95	43.9317	10·0	...	...	...	...	...	...
...	+ 7'305	- 37'761	0'65	...	...	...	29'258	- 9'436	- 4	...	...	...	...	...	...	...	...
...	7'550	+ 14'216	0'70	43.9309	10·0	...	29'483	+ 48'783	- 4	...	...	...	...	...	...	...	...
...	7'892	- 29'207	- 4	...	...	...	29'911	+ 8'671	0'75	43.9318	10·0	...	...	...	...	...	...
*	8'742	+ 27'481	1'05	43.9310	10·0	...	30'443	+ 23'603	- 4	...	...	...	...	...	...	...	...
...	8'782	- 53'709	- 4	...	...	...	+ 30'809	- 9'805	- 3	...	...	...	...	...	...	...	...
*	+ 9'627	- 27'715	1'00	44.9886	9·8	...	30'912	+ 20'854	- 2	...	...	...	...	...	...	...	...
...	10'221	+ 42'941	- 3	...	...	...	31'213	+ 59'679	1'10	43.9319	10·0	...	...	...	...	...	...
...	10'355	- 50'602	- 4	...	...	...	31'231	- 14'184	0'90	...	...	...	...	...	...	...	...
*	10'874	- 53'369	1'00	44.9887	9·8	...	31'771	- 9'258	0'70	44.9894	10·0	...	...	...	...	...	...
*	11'466	+ 27'210	1'30	43.9311	9·6	141	...	...	...	...	...	...	...	...	...	...	...
III	...	...	...	...	...	...	+ 34'601	+ 50'061	- 5	...	...	...	...	...	...	...	...
...	+ 12'738	- 8'783	- 5	m	...	...	35'658	- 13'614	0'70	...	...	...	...	...	...	...	...
...	14'223	+ 26'090	0'65	...	...	...	37'523	- 49'043	1'05	44.9895	9·8	...	...	...	...	...	...
S *	15'001	+ 7'045	- 2	...	...	...	38'275	- 10'663	- 5	m	...	...	...	...	...	...	...
...	16'341	- 33'776	2'80	44.9888	7·4	...	38'649	+ 35'656	0'80	43.9320	9·8	...	...	...	...	...	...
...	16'882	- 9'528	- 5	m	...	...	+ 38'750	- 39'607	- 5	m	...	...	...	...	...	...	...
*	+ 18'027	- 13'153	- 2	...	...	...	40'779	- 42'581	0'75	44.9896	10·0	...	...	...	...	...	...
...	18'201	+ 0'762	1'70	44.9889	8·8	...	46'963	- 48'911	- 4	...	...	...	...	...	...	...	...
...	18'243	+ 48'928	1'15	43.9313	9·6	...	47'560	- 45'902	- 5	...	...	...	...	...	...	...	...
*	18'315	- 21'224	4'10	44.9890	6·2	...	47'642	+ 27'434	- 1	...	...	...	...	...	...	...	...
...	18'862	+ 4'701	0'70	44.9891	10·0	...	...	...	...	...	...	...	...	...	...	...	...

1-20						21-40						41-60							
I	...	...	...	...	...	21	...	...	...	...	...	41	...	...	...	...	...
...	- 59'474	- 49'124	- 5	...	...	...	- 36'296	+ 13'297	- 4	...	...	...	- 20'919	- 12'916	0'70	44.9906	10·0
...	59'253	+ 54'241	- 4	...	...	...	36'093	+ 56'908	- 3	...	...	...	20'648	+ 21'895	- 5	...	...
...	59'231	+ 45'505	0'70	43.9321	9·8	...	35'314	+ 0'758	- 4	...	...	...	†	20'223	+ 30'584	0'90	43.9333
...	58'421	+ 19'975	- 5	...	...	...	34'756	- 31'088	0'80	44.9901	10·0	...	...	19'333	- 29'907	- 5	...
...	58'063	+ 13'949	1'00	43.9322	10·0	*	31'966	- 43'205	2'00	44.9902	8·4	S *	17'826	+ 45'387	1'65	43.9334	8·8		
...	- 56'898	- 27'081	- 5	...	...	...	- 31'891	- 55'273	- 5	...	...	...	...	- 17'335	- 42'401	- 5	...
...	53'976	- 17'635	- 5	31'700	+ 32'271	- 5	17'307	- 42'549	- 1	44.9907	10·0	
...	50'748	+ 5'908	- 3	31'396	+ 37'866	- 5	†	16'161	- 35'166	- 5	...	
S *	49'104	- 29'832	2'00	44.9898	8·2	...	30'863	- 34'892	0'65	44.9903	10·0	15'352	+ 53'074	- 5	...	
...	48'347	+ 33'279	- 3	43.9324	10·0	...	29'601	- 52'352	- 5	13'738	+ 6'143	- 1	43.9335	10·0
II	...	...	...	...	...	31	...	...	...	...	...	51	...	...	...	...	...
S *	- 48'022	- 15'788	2'00	44.9899	8·0	...	- 27'877	+ 0'225	- 4	- 12'893	- 48'849	0'70	44.9908	10·0
S *	46'597	+ 26'932	1'05	43.9325	9·6	...	27'740	- 28'716	0'85	44.9904	10·0	12'517	+ 7'250	- 4	...	
...	46'161	+ 52'564	1'00	43.9326	9·8	...	27'664	+ 37'996	0'80	43.9329	10·0	12'016	+ 41'397	- 1	43.9336	10·0
...	45'552	- 47'493	- 5	...	...	...	26'452	+ 22'347	- 4	...	...	S *	11'776	- 51'153	1'75	44.9909	8·4
...	45'022	- 57'401	- 5	25'770	+ 40'245	0'90	43.9330	10·0	†	10'352	- 57'400	1'90	45.10054
...	- 42'556	+ 40'880	- 1	*	- 25'747	+ 32'328	1'00	43.9331	9·4	- 8'715	+ 24'881	- 1	43.9337
...	42'464	- 36'382	- 3	44.9900	10·0	...	25'419	+ 21'523	- 3	8'437	- 39'155	0'70	44.9910
...	40'110	- 19'195	0'65	25'258	- 20'895	- 5	8'376	+ 20'986	- 1	43.9338
...	39'003	+ 41'122	0'90	43.9327	10·0	...	22'068	+ 6'752	0'85	43.9332	10·0	8'065	- 17'534	1'00	44.9911
...	38'501	- 15'930	0'65	22'017	- 5'389	0'85	44.9905	9·8	6'064	+ 57'127	- 3	43.9340

§ 10^m·8 = D, - 5.

L measured from 1.
MC " " 68.

Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.		Notes.	Co-ordinates.			Diam.	C.P.D.	
	x.	y.	§		No.	Mag.		x.	y.	§		No.	Mag.		x.	y.	§		No.	Mag.
61-90						91-120						121-138								
61	- 5·717	+ 55·278	- 5	...	...	91	+ 18·480	- 37·155	- 4	...	...	121	+ 43·702	+ 57·097	2·00	43·9351	8·8		
...	5·163	- 8·864	- 5	M	...	...	19·827	+ 12·846	- 3	...	...	...	44·108	- 52·915	- 3	44·9925	10·0		
...	2·995	+ 6·640	0·65	43·9341	10·0	S *	19·950	- 8·488	1·30	44·9920	9·0	...	44·868	+ 13·854	- 2	43·9352	10·0			
...	2·205	+ 20·432	- 4	...	...	...	20·671	- 49·094	- 5	...	...	...	45·154	+ 26·021	- 2	43·9353	10·0		
...	1·975	+ 24·882	- 5	...	...	...	21·543	- 19·031	- 4	...	...	S *	46·316	- 49·312	1·00	44·9926	9·6		
...	- 1·449	+ 37·613	- 4	...	...	...	+ 22·315	+ 39·109	- 5	...	...	...	+ 46·462	- 48·718	1·15	44·9927	9·6		
...	- 0·664	+ 13·840	- 4	...	...	...	23·932	+ 25·358	- 4	...	...	...	48·303	+ 20·476	- 3	...	...	
...	+ 0·037	+ 23·121	- 2	...	...	...	24·177	- 26·121	- 5	...	...	...	49·268	- 18·635	- 4	...	...	
...	1·047	+ 45·940	- 5	...	...	...	24·189	- 44·358	- 4	...	...	...	49·825	- 48·470	- 1	44·9928	9·6		
...	2·178	- 39·078	- 1	44·9912	10·0	...	27·360	- 0·757	- 4	...	...	...	53·336	+ 9·664	1·40	43·9354	8·8		
71						101						131								
*	+ 2·437	- 2·749	1·20	44·9913	9·0	...	+ 28·014	- 38·173	- 3	...	...	*	+ 55·461	+ 10·591	1·20	43·9355	9·4		
...	2·999	- 2·722	0·90	44·9914	10·0	...	29·125	+ 41·467	- 5	...	...	...	55·874	+ 18·181	- 5	...	...	
...	3·164	+ 56·448	- 3	...	...	...	29·356	+ 43·513	1·40	43·9342	9·4	...	56·119	+ 42·166	- 5	...	...	
...	4·193	+ 0·572	- 4	M α	...	...	30·070	+ 41·990	- 5	...	...	...	57·216	- 11·123	0·75	44·9929	10·0		
...	5·020	+ 2·570	- 4	...	...	...	30·325	- 20·509	1·30	44·9921	9·3	...	58·456	+ 55·538	- 4	43·9357	10·0		
...	+ 5·572	- 29·912	- 3	M	...	...	+ 31·661	- 16·409	1·00	44·9922	9·8	...	+ 59·034	+ 46·868	- 1	43·9358	9·8		
...	6·305	- 53·102	- 5	M	...	...	32·726	+ 19·971	- 4	...	...	...	59·042	- 8·533	0·95	44·9930	9·8		
...	7·300	+ 10·013	- 3	...	...	S *	33·334	+ 6·165	1·00	43·9343	9·3	...	59·336	- 25·667	- 5	...	...	
...	7·675	- 53·995	0·95	44·9915	9·8	...	33·416	+ 17·058	- 4	...	...	...					
...	10·820	- 11·345	0·90	44·9916	10·0	...	34·386	+ 3·619	- 5	a	...	...						
81						111														
†	+ 11·184	- 35·098	- 4	...	...	...	+ 35·281	- 29·226	0·65	44·9923	9·8	S *							
S *	11·205	- 29·245	3·25	44·9918	6·8	S *	36·401	+ 35·602	3·00	43·9344	7·0	...								
*	11·355	- 24·739	1·90	44·9917	8·6	...	36·722	- 44·910	- 2	44·9924	10·0	...								
...	11·475	- 49·827	- 4	...	...	...	37·506	+ 33·486	- 5	...	...	...					
...	12·363	- 52·964	- 3	...	...	...	37·519	+ 58·690	- 4	43·9346	10·0	...							
...	+ 12·787	- 55·422	- 4	...	...	...	+ 40·275	+ 43·780	1·00	43·9347	9·6	...							
...	12·830	+ 28·816	- 4	...	...	...	40·369	- 37·970	- 5	...	...	...					
...	14·111	- 11·186	- 4	...	...	...	41·455	+ 17·422	- 4	...	...	...					
...	17·374	+ 23·875	- 4	...	...	...	41·741	+ 53·237	1·10	43·9349	9·6	...							
*	17·668	- 8·289	1·80	44·9919	8·8	S N †	42·304	+ 9·673	1·70	43·9350	8·6	...								

§ 10^m·8 = D, - 5.

120. Remeasure 1913, y = - 9'·693.

1-20						21-40						41-60						
1	- 59·969	- 48·913	1·00	44·9927	9·6	21	- 44·950	- 1·013	0·70	...	...	41	- 28·168	- 7·863	- 5	...	...
...	58·106	- 18·768	- 2	...	...	...	43·557	- 19·426	0·65	...	...	*	26·920	+ 38·209	1·60	43·9366	8·6
...	56·629	- 48·575	0·95	44·9928	9·6	...	42·863	+ 47·795	0·70	43·9362	10·0	...	25·660	+ 47·406	- 4	...	...
*	54·900	+ 9·641	1·30	43·9354	8·8	...	41·175	- 13·955	0·65	...	...	S *	24·204	+ 31·043	2·10	43·9367	7·8
...	54·856	+ 33·373	- 5	...	...	...	41·013	- 29·113	0·75	...	...	...	24·146	+ 36·952	0·90	43·9369	9·8
...	- 54·669	- 42·428	- 5	...	...	...	- 39·918	+ 37·221	- 4	...	...	...	- 23·992	- 29·858	- 5	...	...
...	53·094	+ 42·205	- 4	...	...	...	39·291	+ 0·407	- 5	...	...	...	23·786	+ 29·312	- 4	...	...
...	52·821	- 55·014	- 5	...	...	...	38·884	- 2·822	- 5	...	...	S *	22·996	- 51·468	1·60	44·9933	8·8
*	52·782	+ 10·630	1·00	43·9355	9·4	...	38·805	- 50·370	1·10	44·9931	9·3	...	22·431	- 40·502	- 4	...	...
...	52·609	+ 18·230	- 5	...	...	...	38·715	- 45·155	0·80	43·9363	10·0	...	22·331	- 10·007	- 3	...	...
11						31						51						
...	- 51·585	- 34·421	- 5	...	...	...	- 37·850	+ 1·709	- 5	...	...	...	- 22·054	+ 36·617	- 4	...	...
...	51·146	+ 55·649	0·75	43·9357	10·0	...	36·924	+ 22·129	0·90	43·9365	10·0	...	21·399	- 8·323	0·90	44·9934	9·6	
...	50·382	- 11·011	0·85	44·9929	10·0	†	33·697	- 59·644	1·00	45·10074	9·6	...	20·765	+ 44·486	- 4	...	...
*	50·311	+ 46·995	1·05	43·9358	9·8	...	31·821	+ 34·997	- 5	...	...	...	20·751	- 55·879	- 2	45·10081	10·0
...	49·550	+ 42·618	- 3	...	...	...	31·156	- 47·622	- 1	...	...	...	20·262	+ 18·612	0·90	43·9370	9·8
...	- 48·641	- 8·373	0·95	44·9930	9·8	...	- 31·135	- 12·284	- 4	...	...	...	- 19·874	+ 26·554	- 4	...	...
S *	48·045	+ 36·219	3·00	43·9359	6·4	...	29·306	+ 49·125	- 4	...	...	...	17·713	- 55·180	1·05	45·10083	9·4
...	47·832	- 25·478	0·65	...	...	...	29·218	- 15·647	0·80	44·9932	10·0	...	16·637	+ 12·723	0·90	43·9371	10·0
*	47·331	+ 6·396	1·40	43·9360	8·6	†	28·845	+ 45·071	- 2	...	...	...	16·057	+ 3·852	0·75	44·9935	10·0
*	47·147	+ 36·507	2·80	43·9361	7·6	...	28·229	- 14·237	- 4	...	...	...	15·333	- 11·573	- 5	...	...

NM measured from 1, So.
ES ... 37, 124.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
61-100						101-140						141-159					
6I	-15'105	+ 3'211	- 4	...	...	10I	+10'127	+12'305	- 4	...	...	14I	+42'368	+42'576	1'00	43'9390	9'8
...	13'601	+52'855	- 3	...	...	*	10'491	-41'593	2'00	44'9949	8'4	...	42'468	-10'761	0'80	44'9961	10'4
...	13'072	+43'332	- 4	...	...	...	11'411	+40'570	- 5	...	...	...	42'514	+46'113	- 3	43'9391	10'6
...	13'067	+28'574	- 5	...	...	...	12'565	+30'821	0'90	43'9379	10'0	...	42'727	- 4'691	0'85	44'9962	10'3
S *	11'620	+ 4'884	2'40	44'9936	7'5	...	12'657	+16'482	0'75	43'9380	10'0	...	42'896	+30'564	0'90	43'9392	10'0
...	-11'541	- 0'034	0'90	44'9937	9'8	...	+13'307	+37'564	- 5	...	...	...	+46'722	-58'160	1'05	45'10109	9'8
...	11'366	+22'509	- 3	...	...	...	14'665	+42'561	0'65	...	...	...	47'779	-25'095	- 4	...	...
*	10'571	+40'240	1'00	43'9372	9'6	...	14'937	+54'060	0'80	43'9381	10'6	...	48'139	+ 3'845	- 3	...	...
α *	9'716	+ 0'364	1'00	44'9938	9'8	...	19'183	+42'239	- 5	...	...	...	48'560	- 6'108	0'70	...	...
...	6'564	+39'031	- 5	...	...	*	20'517	+ 1'969	1'00	44'9950	9'8	...	48'610	-49'011	- 4	44'9963	10'6
7I	- 6'564	+10'641	- 2	...	...	11I	+21'069	-22'388	1'00	44'9951	9'8	15I	+48'903	+ 6'541	0'80	43'9393	10'3
...	6'421	+34'897	- 1	43'9373	10'0	*	22'158	-28'466	1'15	44'9952	9'3	...	49'511	-37'617	- 1	44'9964	10'6
...	5'745	- 0'633	- 4	...	...	...	22'607	- 3'769	- 4	...	...	...	50'982	+ 5'635	0'70	44'9965	10'6
*	4'938	-17'127	1'00	44'9939	9'8	...	22'984	-10'036	0'65	...	...	S *	51'248	+56'815	1'60	43'9394	9'0
*	3'669	-45'088	1'10	44'9940	9'4	...	23'095	+14'505	- 3	...	...	...	52'444	-56'784	- 5	...	...
...	- 3'648	-42'977	- 4	...	...	...	+23'216	-28'787	0'95	44'9953	10'6	...	+54'357	+25'523	0'70	43'9397	10'6
...	1'781	+50'930	- 4	...	...	...	23'679	-29'385	0'70	44'9954	10'6	...	54'408	+38'231	0'90	43'9396	10'0
...	1'149	-33'884	- 4	...	...	...	23'825	+48'079	0'80	43'9382	10'6	...	54'825	+16'438	0'75	43'9398	10'6
...	0'610	+23'247	0'70	43'9374	10'0	...	24'163	-48'244	- 5	...	...	...	54'869	- 0'917	- 4	...	...
...	- 0'098	+ 5'387	0'90	44'9941	10'0	...	24'471	-18'565	- 5	...	...	...	...	...	...	...	...
8I	+ 1'960	+35'016	0'75	...	...	12I	+27'598	+19'155	2'00	43'9383	7'9	...	...	...	...	...	...
S †	2'637	-44'694	1'10	44'9942	9'3	S *	28'099	+55'616	0'95	43'9384	10'2	...	...	...	...	...	...
...	3'091	-41'465	0'85	44'9943	10'0	*	29'206	-12'325	1'70	44'9955	9'0	...	...	...	...	...	...
...	3'761	+47'752	0'70	43'9375	10'0	...	30'617	-27'822	0'80	44'9956	10'4	...	...	...	...	...	...
...	4'530	-28'232	0'85	44'9944	10'0	...	31'859	+21'840	- 2	...	...	...	...	...	...	...	...
...	+ 5'527	-27'450	0'70	44'9945	10'0	...	+32'870	+11'186	- 4	...	...	...	...	...	...	...	...
*	5'645	-21'177	1'05	44'9946	9'4	...	33'201	+40'687	0'80	43'9385	10'4	...	...	...	...	...	...
...	5'722	-16'198	0'80	44'9947	10'0	S *	33'205	-37'019	2'60	44'9957	7'2	...	...	...	...	...	...
...	6'768	-17'448	0'65	...	...	*	33'694	-52'152	1'40	44'9958	9'5	...	...	...	...	...	...
...	7'091	+21'688	0'70	43'9376	9'8	...	34'019	+22'170	0'85	43'9386	10'3	...	...	...	...	...	...
9I	+ 7'483	+25'387	- 2	...	...	13I	+34'287	+37'237	- 4	...	...	...	...	...	...	...	...
...	7'797	-38'875	- 3	...	...	...	38'266	+16'276	0'80	43'9387	10'4	...	...	...	...	...	...
...	8'159	+45'886	- 5	...	...	S *	38'849	+12'517	3'20	43'9388	6'2	...	...	...	...	...	...
...	8'184	+19'937	0'70	...	...	...	40'023	-10'532	- 4	...	...	...	...	...	...	...	...
...	8'291	-40'217	- 5	...	...	*	40'555	- 5'488	1'00	44'9959	9'2	...	...	...	...	...	...
...	+ 8'523	-50'717	0'65	44'9948	10'0	*	+41'557	+26'833	1'10	43'9389	9'6	...	...	...	...	...	...
...	8'738	+10'336	0'80	43'9377	10'0	N	41'565	- 2'320	0'90	44'9960	10'4	...	...	...	...	...	...
...	8'804	+48'285	1'00	43'9378	9'8	...	41'678	-28'182	- 1	...	...	...	...	...	...	...	...
...	9'608	-44'810	- 4	...	...	...	41'777	-46'403	- 3	...	...	...	...	...	...	...	...
N	9'803	-44'927	- 2	...	...	...	42'237	+16'466	- 5	...	...	...	...	...	...	...	...

roo. Scratch on plate ; image faulty.

137. 45°·127, suspected double.

1-10						11-20						21-30					
I	x.	y.	Diam.	C.P.D.	Notes.	II	x.	y.	Diam.	C.P.D.	Notes.	2I	x.	y.	Diam.	C.P.D.	Notes.
†	-59'906	+ 3'648	0'65	...	...	...	-57'640	-12'426	- 3	...	...	...	-54'325	-49'620	- 2	...	...
...	59'725	+27'732	- 5	M	...	...	57'267	-37'726	0'75	44'9964	10'6	...	53'863	- 2'949	- 4	...	...
*	59'423	-58'361	1'30	45'10109	9'8	...	57'108	+ 5'534	0'80	44'9965	10'6	...	53'742	-56'805	0'75	...	...
...	59'382	-25'271	- 1	...	...	...	56'764	-25'261	- 3	...	...	...	53'609	+16'452	0'80	43'9398	10'6
...	59'214	+ 6'387	0'90	43'9393	10'3	...	56'263	-33'438	- 3	...	...	...	53'228	+58'309	- 5	...	...
...	-59'174	- 6'265	0'75	...	...	...	-56'166	+54'844	- 3	...	...	...	-53'019	- 0'900	0'65	...	...
...	58'869	+20'797	- 5	...	...	...	55'541	+47'793	- 3	...	...	...	52'373	+19'710	- 4	...	...
S *	58'400	+56'700	1'90	43'9394	9'0	...	54'763	+26'092	- 5	M	...	...	51'604	- 0'593	- 5	M	...
...	58'179	-34'691	- 5	M	...	*	54'692	+38'210	1'15	43'9396	10'0	...	50'702	-50'009	- 1	...	...
...	57'802	-49'150	0'65	44'9963	10'6	...	54'340	+25'512	0'90	43'9397	10'6	...	50'627	+ 9'898	- 4	...	...

ES measured from I, 187.
MC " " 79, 273.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
31-90						91-150						151-210						
31	-50.238	+24.904	-5	...	...	91	-26.615	-20.476	-4	...	...	151	-7.689	+23.451	1.00	...	...
...	50.123	-34.841	-5	...	...	...	26.005	-54.444	0.65	45.10119	10.6	*	7.507	-17.940	1.00	44.9976	9.8
...	49.739	-34.089	0.65	...	...	...	25.627	-13.266	-4	M	...	...	...	7.131	+23.303	-4	...
...	48.270	-10.804	-4	25.116	+12.236	-4	*	6.900	+44.510	1.80	43.9408	8.1
...	47.895	+4.475	-5	...	...	*	24.801	-54.246	2.20	45.10121	7.8	...	...	6.726	-15.529	-4	...
...	-47.419	+5.508	-2	...	...	...	-24.708	+29.194	-5	M	...	...	...	-6.407	+1.565	-5	...
...	47.110	-15.886	0.65	...	...	...	24.561	-20.794	-1	...	...	...	...	6.355	+2.475	-3	...
...	46.967	-48.685	-5	M	...	...	24.554	-59.503	-1	...	...	...	...	5.223	-53.558	-4	...
...	46.481	+54.141	-5	24.475	+0.343	-3	x	5.103	+37.702	1.15	43.9409	8.6
...	46.357	-40.425	-4	...	...	...	24.374	+43.970	-5	...	...	...	...	5.016	-9.948	-3	...
41	-46.279	-13.207	-4	M	...	101	-24.061	+47.318	1.90	43.9403	7.4	161	-4.986	-56.727	-5	M	...	
...	45.257	+25.470	0.70	...	...	*	23.867	-13.975	2.00	44.9967	7.8	...	...	4.937	-4.154	-3	...
...	44.645	-46.526	-2	...	...	S*	23.775	+38.139	-5	...	...	...	...	4.928	-6.520	-3	...
...	43.629	+56.417	-4	...	...	...	23.553	+37.899	-5	...	...	...	...	4.708	-26.929	-4	...
...	42.927	-19.818	-4	...	...	...	23.531	+33.611	-3	...	...	...	...	4.498	+5.783	-4	m
†	-42.706	+42.944	1.25	43.9399	9.5	...	-23.258	+9.684	-3	...	...	...	...	-4.359	+27.364	-5	m
*	42.169	+35.248	-4	...	...	*	22.255	-21.064	1.20	44.9968	9.3	...	...	4.248	-33.435	-4	...
...	41.823	-42.463	-5	M	...	N*	22.102	-2.189	0.95	44.9969	10.2	...	...	4.237	+2.096	-4	m
...	41.364	-5.060	-2	...	...	...	22.054	-4.541	-3	...	...	...	...	4.153	+24.164	-5	m
...	40.497	+14.062	-4	S*	21.215	+54.230	1.90	43.9404	8.4	*	...	4.135	+31.733	1.10	43.9410	9.8
51	-39.102	+35.565	-4	...	...	111	-21.102	-24.233	1.15	44.9970	9.4	171	-4.116	-42.596	-5	M	...
...	38.500	-45.681	-4	...	...	*	21.061	+44.258	-1	...	...	...	...	4.065	-21.023	-2	...
...	37.909	-18.361	-2	...	...	...	20.823	-7.771	-1	44.9971	10.4	...	...	3.588	-22.175	-5	M
...	37.791	+13.928	-5	M	...	...	20.786	+50.731	-3	...	...	...	...	3.210	+50.847	-4	...
...	37.695	+37.165	-4	...	...	...	20.570	-12.446	-5	...	...	...	...	2.844	-43.354	-5	...
...	-37.671	-37.692	-4	...	...	...	-20.537	-55.715	-3	...	...	...	...	-2.445	+48.737	-2	...
...	37.602	+31.042	-2	...	...	...	20.235	+57.929	-4	...	...	...	...	2.407	-25.692	-4	...
...	37.506	-59.586	-1	...	...	...	19.872	+52.616	-3	...	...	...	...	2.338	-7.437	-5	M m
...	37.325	-49.315	-5	M	...	...	19.182	+32.046	-5	...	...	...	...	1.813	+52.397	-5	m
...	36.993	-45.958	-3	...	...	...	18.548	+20.266	-3	...	...	...	...	1.615	+34.314	-5	m
61	-36.629	+8.387	-5	...	...	121	-18.239	-32.150	-4	...	...	181	-1.441	+56.184	1.00	43.9412	9.8
...	36.213	-29.220	-5	M	...	...	17.656	-12.315	-5	M	...	...	...	1.437	+27.587	-2	...
...	36.168	-7.785	-4	...	...	*	17.566	+11.447	1.70	43.9405	8.6	...	...	0.995	+2.523	-5	M m
...	35.899	-39.839	0.80	44.9966	10.6	...	17.394	+45.287	-1	...	...	...	...	0.939	-30.210	-4	...
...	35.785	+31.029	0.95	43.9400	10.4	*	17.081	-38.010	1.20	44.9972	9.0	...	...	0.914	+6.218	-4	m
...	-35.735	-58.832	-2	...	...	...	-16.773	+53.389	0.80	...	...	...	...	-0.553	+42.505	-4	m
...	35.679	+17.561	-3	16.711	-54.346	-3	*	...	+0.009	+6.297	1.00	43.9413	10.2
...	35.496	+50.403	0.70	...	...	...	16.701	+57.103	-5	...	...	...	...	0.243	-57.273	-5	M
...	34.701	-16.259	-5	M	...	S*	16.351	-56.971	2.50	45.10123	7.7	0.404	+21.446	0.85	43.9414	10.3
...	34.339	+24.922	-4	...	...	...	15.957	+45.049	-5	...	...	...	...	1.066	-32.302	-2	...
71	-32.640	-38.715	0.70	...	...	131	-15.803	+39.719	-1	...	...	191	+1.141	+16.247	-5	...	
...	32.468	-38.932	-3	13.604	-11.707	-2	1.360	-24.532	0.80	44.9977	10.3
...	32.020	-57.592	-1	...	...	...	13.533	+1.468	-5	M	...	...	...	2.629	-47.889	-4	...
...	31.900	-16.247	-2	...	...	*	13.398	-20.660	1.00	44.9973	9.5	...	...	2.946	+42.084	-4	...
...	31.824	-41.532	-5	...	...	...	13.039	-14.925	-4	M	...	...	...	3.311	-39.480	-4	...
...	-31.776	-38.781	-5	M	...	†	-12.997	+39.997	-1	...	...	...	...	+3.604	-29.733	-4	...
*	31.148	+58.273	1.35	43.9401	9.8	*	12.732	+31.681	0.95	43.9406	10.0	...	...	4.112	+25.134	-5	M m
...	30.693	-28.631	-4	...	...	...	12.475	+43.310	-2	...	...	...	...	4.320	+21.711	-3	...
S*	29.821	+27.461	2.50	43.9402	7.2	*	11.979	-54.396	1.80	45.10126	8.4	4.692	-7.198	0.95	44.9978	10.4
...	29.774	-32.153	-3	11.184	+38.238	-5	M	...	*	...	5.043	-27.348	1.00	44.9979	9.8
81	-29.723	+42.273	-5	...	...	141	-10.850	-49.056	1.00	44.9974	9.8	201	+5.179	-43.668	0.70	...	
...	29.441	+4.968	-2	10.157	-37.835	-5	*	...	5.937	+49.746	1.10	43.9415	9.5
...	28.893	-23.579	-4	...	...	†	10.014	+56.073	0.90	43.9407	9.8	...	...	6.305	+33.633	-5	m
...	28.883	+20.712	0.70	9.576	-36.788	-2	*	...	6.454	-35.409	1.15	44.9980	9.8
...	28.708	+7.115	-5	...	...	...	9.500	+11.388	-3	...	...	...	...	6.732	-4.547	-5	...
...	-28.705	+12.680	-4	...	...	...	-9.448	-58.001	0.65	...	...	...	...	+7.100	-28.573	-3	...
...	28.570	-20.006	0.80	...	...	...	8.874	-45.692	-1	44.9975	10.6	...	...	7.351	-7.130	-3	...
...	27.999	-38.599	0.75	...	...	...	8.591	+18.483	-5	...	...	...	...	7.522	+3.086	-5	m
...	27.742	+21.944	-5	...	...	...	7.832	+16.245	-4	...	...	...	...	7.708	-55.040	-5	m
...	26.856	-52.469	-4	7.759	+47.239	-4	8.000	-40.303	0.75	43.9416	10.6

108. Mass. 45° 127. two stars. C.P.D., brighter star.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.					
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.				
1-60						61-120						121-180									
I	...	-59·881	-51·813	-1	44·9996	10·6	61	...	-33·223	-45·195	1·00	44·10003	9·8	121	...	-2·767	+46·227	1·00	43·9446	9·5	
...	...	58·858	+38·224	0·70	...	...	...	...	31·279	-33·525	0·80	44·10004	10·6	...	...	2·681	-4·899	1·00	44·10016	9·6
...	...	58·365	+40·995	-4	...	...	...	...	30·406	-42·540	-3	...	...	...	...	0·873	+46·410	0·85	43·9447	10·6
...	...	58·142	+38·146	0·65	...	...	...	...	30·194	-17·409	-1	...	...	...	...	0·645	-39·304	0·65	44·10017	10·4
...	...	58·077	-34·863	-3	...	...	...	...	30·102	+34·721	-1	...	...	...	...	0·485	-31·467	-4	...	...
...	...	-57·741	-23·953	-4	...	...	...	...	-30·008	+56·633	-2	...	...	...	...	-0·315	-43·945	-4	...	...
...	...	57·360	+59·395	-1	43·9429	10·0	...	...	29·682	-24·309	-3	...	...	...	...	+0·098	+25·478	0·85	43·9448	10·4
*	...	55·457	-29·145	1·00	44·9997	9·8	...	...	28·032	+28·442	-4	...	...	...	...	3·099	-34·840	-3	...	...
*	...	54·194	+23·959	1·10	43·9430	9·4	...	...	27·700	-49·175	-2	...	...	...	...	3·256	+0·535	-5	Mm	...
S*	...	54·173	+37·105	2·00	43·9431	8·2	...	...	27·656	-42·538	1·20	44·10005	9·2	...	...	3·918	-47·690	-1	...	...
II	...	-52·657	+20·993	-2	...	...	71	...	-27·576	-58·041	0·85	45·10143	10·4	131	...	+4·143	-20·846	0·65	...	...
...	...	51·399	-18·486	-5	...	...	...	...	27·388	-43·382	-5	...	...	...	...	4·629	-5·375	0·70	...	...
S†	...	51·090	+10·171	1·45	43·9432	8·6	...	...	27·185	-44·823	-5	...	...	...	...	4·720	-43·912	-5	...	...
...	...	50·576	+12·656	0·70	...	...	...	...	26·538	-6·090	0·70	44·10006	10·4	...	...	5·657	-8·080	0·90	44·10018	10·4
†	...	50·347	+45·100	-1	...	...	...	...	26·500	-3·027	1·00	44·10007	9·6	...	...	6·332	-12·994	-5	...	...
...	...	-49·772	-18·821	0·80	44·9998	10·6	...	...	-25·359	+43·847	-5	A	...	...	...	+6·649	-53·422	-5	...	...
...	...	49·744	-12·876	-3	...	...	...	...	25·237	-40·445	-3	...	...	...	...	7·058	+24·209	0·85	43·9452	10·6
...	...	49·343	+3·615	-5	E	...	...	...	25·046	+0·880	-4	...	...	...	...	7·103	-26·843	1·00	44·10019	9·6
...	...	48·010	+48·137	-1	...	...	...	...	24·882	-7·767	1·00	44·10008	9·8	...	...	7·497	+30·425	-4	b	...
...	...	47·868	-11·019	0·80	...	...	S*	...	24·701	-2·543	1·85	44·10009	8·2	...	...	7·612	+13·344	1·00	43·9453	9·6
2I	...	-46·998	-59·422	-4	...	...	81	...	-24·492	-38·304	-5	...	...	141	...	+7·661	+25·492	0·75	43·9454	10·3
...	...	46·745	-34·593	-3	...	...	...	...	24·356	+6·673	0·90	43·9439	10·4	...	...	8·500	-30·471	-4	...	...
...	...	46·613	-14·438	0·75	...	...	...	...	24·179	+42·702	-3	...	...	...	...	8·534	-35·376	1·00	44·10020	9·8
...	...	46·357	-12·375	0·70	...	...	...	...	24·040	+18·277	-5	M	...	...	...	8·616	+21·267	-5	m	...
S*	...	45·975	-41·412	1·25	44·9999	9·2	...	...	23·070	+49·606	-4	...	...	...	...	8·797	-49·559	0·75	...	...
...	...	-45·746	-17·988	-4	...	...	...	...	-22·809	+16·265	-4	...	...	...	...	+9·213	-21·380	2·00	44·10021	8·6
...	...	45·602	+37·792	-5	...	...	...	...	20·882	+35·349	-5	...	...	...	...	9·817	-40·520	0·90	44·10022	10·3
...	...	44·654	+6·087	1·00	43·9433	10·2	...	...	20·719	+36·066	-1	43·9440	10·6	...	...	11·801	-8·165	-4	...	...
...	...	44·364	+54·107	-1	43·9434	10·2	...	...	19·718	-51·818	-4	...	...	...	...	11·918	+24·700	0·80	...	...
...	...	43·914	+16·093	-5	A	...	...	...	18·447	-29·375	-5	...	...	...	...	12·343	+57·049	-1	...	...
3I	...	-43·455	+36·894	-5	...	...	91	...	-17·851	+14·047	0·65	43·9441	10·6	151	...	+12·417	+39·047	1·00	...	...
S*	...	42·791	-34·458	1·90	44·10000	8·2	...	...	17·845	+11·336	-5	M	...	...	...	12·679	-25·333	0·90	44·10023	10·6
...	...	42·763	-0·695	1·00	44·10001	10·0	17·105	-52·359	0·80	44·10010	10·4	13·521	+28·671	0·65	a	...
...	...	41·332	+30·948	-5	S*	...	16·291	+49·152	1·05	43·9442	9·5	15·386	+41·454	0·75
...	...	41·099	-10·206	-5	15·786	+38·096	-4	15·865	-40·294	0·90	44·10024	10·3
...	...	-40·809	-6·302	-4	-15·755	+2·569	1·20	44·10011	9·5	+16·801	+11·435	-4	m	...
...	...	40·318	-17·339	-5	15·361	+47·624	-4	17·089	-52·368	1·95	44·10025	8·4
...	...	40·149	+35·944	1·00	43·9435	10·2	14·414	-22·809	-2	17·181	-1·337	-5
...	...	39·873	-14·773	0·75	S*	...	14·361	-28·899	1·40	44·10012	8·8	17·338	-3·142	-2
...	...	39·538	+17·267	-4	14·247	-44·624	-4	17·433	-53·177	0·70	44·10026	10·6
4I	...	-39·501	-9·217	-5	...	...	101	...	-13·794	+17·943	-4	...	...	161	...	+18·200	-44·056	0·75	...	...
...	...	38·980	+7·412	1·00	43·9436	10·3	12·934	+54·248	-3	18·634	-48·811	1·15	44·10027	9·4
...	...	38·519	+14·488	-4	12·297	-41·674	1·40	44·10013	9·4	19·396	-35·351	0·90	44·10028	10·0
...	...	38·270	-35·023	-5	11·458	+22·818	-1	19·712	-41·038	-2
...	...	37·885	-24·150	1·00	44·10002	9·8	10·391	+19·667	-4	B	20·138	-59·312	-5
...	...	-37·804	+50·716	-5	-10·116	-8·554	-4	+20·522	+56·956	1·50	43·9455	9·0
...	...	37·561	-16·795	0·70	9·804	+21·008	1·20	43·9443	9·6	20·796	-9·135	1·00	44·10029	9·6
...	...	37·222	+7·506	-1	9·670	+33·738	0·95	43·9444	10·2	21·369	-42·699	1·00	44·10030	9·8
...	...	37·017	+37·493	-1	9·090	+28·894	-4	22·375	-35·928	-4
...	...	36·833	-59·527	-1	45·10141	10·6	8·215	-28·459	-1	44·10014	10·6	22·748	+28·919	0·65
5I	...	-36·740	-40·100	-1	...	...	111	...	-7·634	+9·033	0·85	43·9445	10·4	171	...	+23·659	+8·019	0·90	43·9457	10·6
...	...	36·334	+8·290	-4	7·614	-43·835	-4	23·716	+41·509	1·00	43·9456	9·8
...	...	36·327	+30·397	0·65	7·394	+31·230	-3	24·030	-8·777	-3
...	...	36·014	-46·961	-3	6·877	-12·451	3·00	44·10015	7·6	24·959	+25·261	0·80	43·9458	10·6
...	...	35·673	+37·558	1·20	43·9437	9·0	5·043	-40·318	-4	25·082	+44·224	0·90	43·9459	10·3
...	...	-35·603	+56·077	-5	-4·880	-7·004	-3	+25·509	+0·253	-2	α	...
...	...	35·222	-50·918	-1	4·472	-48·209	-3	26·049	+12·673	0·65
...	...	34·949	+19·789	0·95	43·9438	10·3	3·119	+58·271	-4	26·269	-3·150	-2
...	...	33·678	-55·576	-4	3·002	-25·451	-4	26·525	-45·566	-4
...	...	33·659	+51·801	-4	2·933	+22·921	-5	m	26·897	-9·910	-4

L measured from 1, 127.
MC 65, 189.

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.			
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.		
181-210						211-240						241-247							
181	...	...	...	...	...	211	...	...	...	...	...	241	...	...	...	...	...
...	+27.334	+22.872	-4	...	...	...	+36.817	-58.764	-4	...	...	...	+55.553	-32.363	-4	...	...
...	27.476	-43.431	-5	...	...	...	37.410	+54.818	-4	...	...	...	*	56.096	+34.587	1.20	43.9468	9.8	
...	27.995	+11.084	-5	<i>m</i>	...	...	37.602	+52.892	0.95	43.9462	9.8	...	...	56.203	+41.619	-2	...	...
...	28.393	-54.742	-1	...	...	...	*	38.565	+50.546	1.00	43.9463	9.6	...	...	56.520	+14.767	0.75	43.9469	10.3
...	29.268	+16.443	-4	<i>m</i>	...	...	...	39.020	+14.797	-2	...	...	...	...	56.894	-10.781	-2	...	...
...	+29.270	-31.285	-3	...	...	...	...	+39.439	-3.503	-4	...	...	...	...	+57.160	+11.255	-5	<i>e</i>	...
...	29.526	+46.823	-4	<i>m</i>	...	...	...	39.924	-30.942	2.95	44.10039	7.8	...	...	58.219	-37.240	-3	...	...
...	29.683	+7.220	-2	<i>a</i>	...	...	...	40.480	-39.411	-2	...	...	...	...	...	...	...	...	...
...	30.028	+10.538	-3	...	...	...	...	41.195	+34.250	-5	<i>m</i>	...	...	...	...	...	...	...	...
...	*	31.076	-9.840	0.95	44.10031	9.8	...	41.530	-39.802	-4	...	...	...	...	...	...	...	...	...
191	...	...	...	...	...	221	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+31.098	-12.419	-3	...	...	...	...	+43.393	-10.423	-4	...	...	...	...	...	...	...	...	...
...	31.424	-15.731	-4	...	...	...	...	†	44.641	-39.917	1.50	44.10040	9.0	...	...	...	...	...	...
...	31.424	+6.690	-3	...	...	...	...	...	45.199	-46.000	-4	...	...	...	...	...	...	...	...
...	*	31.683	-40.296	0.95	44.10032	10.0	...	...	45.221	+55.722	-1	43.9464	10.6	...	...	...	...	...	...
...	...	31.896	-38.546	0.90	44.10033	10.3	...	...	*	46.046	-40.595	1.70	44.10041	8.8	...	...	...	...	...
...	+32.448	+48.637	-3	...	...	...	...	...	+46.345	+29.959	-4	...	...	...	...	...	...	...	...
...	32.699	-29.431	-2	...	...	...	...	...	46.613	+10.909	-5	<i>m</i>	...	...	...	...	...	...	...
...	*	33.184	-40.096	1.00	44.10034	9.8	...	...	48.331	+8.647	-5	<i>e</i>	...	...	...	...	...	...	...
...	...	34.299	-45.431	1.00	44.10035	10.3	...	...	48.802	-11.741	0.80	44.10042	10.6	...	...	...	...	...	...
...	...	34.361	-35.936	0.85	44.10036	10.4	...	...	51.161	+10.975	-4	<i>e</i>	...	...	...	...	...	...	...
201	...	...	...	...	...	231	...	...	...	...	...	...	...	...	...	...	...	...	...
...	+34.508	-24.008	-2	...	...	...	...	*	+51.863	-2.700	1.20	44.10043	9.5	...	...	...	...	...	...
...	34.652	-16.497	-4	...	...	...	...	...	52.245	+17.934	-4	<i>e</i>	...	...	...	...	...	...	...
...	35.468	-11.110	0.90	44.10037	10.3	...	...	...	52.248	-36.927	1.20	44.10044	9.5	...	...	...	...	...	...
...	35.687	+6.941	-1	...	...	...	...	...	52.250	+45.466	1.00	43.9467	10.0	...	...	...	...	...	...
...	35.975	+20.760	0.65	43.9461	10.6	...	...	...	52.289	+14.736	-4	...	...	...	...	...	...	...	...
...	+36.225	-36.920	-4	...	...	...	...	...	+54.190	-37.340	-3	...	...	...	...	...	...	...	...
...	36.413	+9.947	-5	<i>m</i>	...	...	...	...	54.290	+12.809	0.65	...	...	...	...	...	...	...	...
...	36.495	-9.534	-4	...	...	...	...	...	54.399	-1.190	0.65	...	...	...	...	...	...	...	...
...	36.625	-39.216	-1	...	...	...	...	...	*	55.149	-3.522	1.20	44.10045	9.8	...	...	...	...	...
...	S*	36.760	+3.233	3.00	44.10038	7.4	...	...	55.381	-8.076	-5	...	...	...	...	...	...	...	...

1-20						21-40						41-60								
I	x.	y.	Diam.	C.P.D.	Mag.	21	x.	y.	Diam.	C.P.D.	Mag.	41	x.	y.	Diam.	C.P.D.	Mag.			
...	-59.876	+8.485	-4	°E	...	...	-49.076	+43.711	-4	...	...	...	-39.182	-5.935	-4	...	...	
...	58.792	-11.887	0.90	44.10042	10.6	...	48.603	-37.088	-3	...	...	...	37.775	-0.881	-5	...	...	
...	57.127	+10.884	-3	E	...	...	48.579	+22.782	0.80	...	...	...	37.005	-4.286	0.65	...	...	
...	57.088	+45.398	0.95	43.9467	10.0	...	47.851	+14.467	0.75	...	...	...	35.627	-35.345	0.80	44.10046	10.6		
...	56.245	+17.882	-3	E	...	...	*	47.788	+13.517	1.15	43.9470	9.6	...	34.419	-32.443	-5	...	...
...	-56.120	+14.694	-4	...	...	...	...	-47.310	+4.211	0.70	...	...	...	-33.151	-48.182	0.70	...	...
...	*	55.990	-2.759	1.00	44.10043	9.5	...	47.094	+41.354	0.80	...	...	...	*	31.936	+44.077	1.00	43.9473	9.5
...	*	54.579	-36.958	1.20	44.10044	9.5	...	46.636	-35.999	-5	...	...	...	...	31.194	-50.628	-4	...	...
...	54.049	+12.824	0.85	...	...	...	...	45.927	-30.653	-5	...	...	...	...	31.033	-12.926	-3	...	...
...	53.509	-1.174	0.85	45.122	-32.216	-5	n	30.934	+0.999	1.00
II	...	...	...	...	...	31	...	...	...	...	...	51	...	...	...	...	...	...
...	-53.012	+41.673	0.80	...	...	...	...	-43.766	+57.221	-5	...	...	n	-30.669	+1.066	0.70	44.10047	9.8	
...	*	52.908	+34.640	1.00	43.9468	9.8	...	43.751	-17.581	-5	...	...	†	30.411	+34.940	0.95	43.9474	10.3	
...	*	52.686	-3.487	1.00	44.10045	9.8	...	43.475	-58.340	-5	...	...	...	...	28.903	+53.420	-4	A	...
...	52.633	-37.314	0.70	...	...	...	...	42.294	-32.393	0.70	...	...	...	...	28.156	-50.051	-5	...	...
...	52.318	-8.030	-5	...	...	...	...	41.667	-31.809	-5	...	...	...	...	27.967	-16.226	-4	...	...
...	-51.877	+14.847	0.90	43.9469	10.3	...	...	-41.223	+56.944	-4	...	...	...	...	-27.883	-43.158	-4	...	...
...	51.407	-32.304	-4	...	...	...	...	40.823	+36.172	0.90	43.9472	10.6	...	...	27.146	+8.427	0.65	43.9475	10.6
...	51.135	+11.352	-5	E	...	...	...	S*	40.678	+15.418	1.20	43.9471	8.8	S*	26.332	-18.388	1.30	44.10048	9.2
...	50.726	-10.689	0.85	...	...	...	...	39.849	-12.897	-4	...	...	...	...	24.798	+12.614	-1	...	...
...	49.320	+35.731	-4	...	...	...	...	39.288	-27.679	0.85	...	...	...	*	23.250	-4.003	1.00	44.10049	9.8

L measured from 1, 107.
MC " " 53, 164.

50, 51. C.P.D., possibly mass.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
61-110						111-160						161-203						
61	-23·121	+28·662	-4	A	...	111	+3·260	+57·267	-4	M	...	161	+28·557	-33·626	-4	...	...
S*	22·867	+37·852	3·10	43·9476	7·0	...	3·770	+31·113	-4	...	...	...	+29·085	-46·279	1·00	44·10066	9·3	
...	22·816	-46·386	-1	44·10050	10·4	...	4·074	-25·116	-3	...	...	...	29·480	+20·310	0·85	...	...
...	21·679	+47·082	0·95	43·9477	9·8	S*	4·526	+47·425	1·20	43·9483	9·1	...	*	30·186	+26·719	0·90	43·9487	9·8
...	21·053	+42·797	-5	M	...	†	4·849	+33·745	-4	Mm	...	...	...	31·073	-30·701	-4	...	...
...	-20·199	+24·042	-4	...	...	†	+4·920	-58·097	-3	...	...	...	...	+31·484	+20·337	-4	...	...
...	19·442	-38·353	0·85	44·10051	10·2	...	5·687	+23·932	-3	...	...	S*	31·817	-17·848	1·35	44·10068	8·6	
...	18·590	-28·826	-1	44·10052	10·4	...	6·186	+21·882	-2	...	...	...	...	31·824	-9·757	0·65	44·10067	10·4
...	17·292	+56·956	-1	...	...	...	6·581	+5·859	0·95	44·10058	9·8	...	...	32·365	-21·411	0·70	44·10069	10·4
...	15·567	-8·609	-5	...	...	...	7·384	-16·270	-4	...	...	*	34·466	+31·038	1·40	43·9489	9·0	
71	...	...	...	...	...	121	...	...	...	...	...	171	...	...	...	...	...	...
...	-15·550	+51·689	-5	M	...	...	+7·586	+41·271	-4	...	...	...	+	34·576	+29·889	-1	...	...
...	15·205	-13·785	0·90	44·10053	10·2	...	7·969	+33·864	-3	...	...	...	...	34·630	+15·162	-5	m	...
...	14·600	-31·379	-4	...	...	*	8·065	-25·858	1·20	44·10059	9·0	...	...	35·574	-11·449	-5	...	...
†	13·880	-29·867	-4	...	...	...	8·409	+23·152	-4	...	...	...	...	35·951	-17·250	-4	...	...
...	13·686	+50·148	-3	...	...	...	8·438	+30·778	-3	...	...	...	...	36·204	-52·524	-3	...	...
...	-12·231	+55·243	-5	...	...	...	+8·753	-35·249	-5	...	...	...	...	+36·402	-19·721	-4	...	...
...	11·086	-47·804	-4	...	...	*	10·398	-24·451	1·30	44·10060	8·8	...	...	36·856	+20·062	0·75	43·9491	10·4
*	11·084	-46·018	1·00	44·10054	9·8	...	11·615	+5·085	-5	m	...	S*	38·206	+24·771	3·00	43·9492	6·6	
...	10·859	+57·647	-4	A	...	*	12·460	+5·203	1·20	44·10061	9·3	...	...	38·670	-43·449	-1	...	...
...	10·049	-25·454	-4	...	...	...	12·541	+5·219	-5	m	...	...	...	39·016	-31·841	-5	...	...
81	...	...	...	...	...	131	...	...	...	...	...	181	...	...	...	...	...	...
...	-9·851	-39·199	-3	...	...	...	+12·537	+50·103	-4	...	...	†	+39·704	+58·706	-2	...	...
...	9·372	+34·068	-5	M	...	...	13·330	+36·991	-5	m	...	S*	41·482	-51·663	1·65	44·10070	8·8	
...	8·995	-48·247	-3	...	...	*	13·494	-30·418	1·05	44·10062	9·3	...	...	42·012	-16·385	-2	...	...
...	8·321	+33·497	-2	43·9478	10·4	...	13·631	-35·067	0·70	...	...	*	42·017	+55·389	1·20	43·9493	9·3	
...	7·797	-44·277	-4	...	...	...	15·797	+43·384	-4	...	...	†	42·711	+54·829	1·60	43·9494	8·8	
...	-6·873	-40·802	-4	...	...	...	+16·061	+52·147	-4	...	...	...	...	+43·489	+26·178	-4	a	...
...	6·721	-1·806	-2	...	...	...	18·603	-34·194	-4	...	...	†	44·788	+30·246	1·00	43·9495	9·4	
...	5·738	-41·774	0·80	44·10055	10·2	*	19·455	+7·022	2·00	43·9484	8·2	...	...	44·812	-6·877	-3	...	...
...	5·693	-20·276	0·85	44·10056	10·0	...	19·552	+15·477	-3	...	...	...	...	44·861	-20·248	-5	...	...
...	5·656	+6·934	-5	Mm	...	...	19·667	+1·860	1·00	44·10063	9·6	...	...	46·158	-31·494	-4	...	...
91	...	...	...	...	...	141	...	...	...	...	...	191	...	...	...	...	...	...
...	-5·581	+35·296	-5	M	...	...	+20·079	-8·123	0·75	...	...	...	+	47·856	-53·528	-4	...	...
...	5·516	+45·156	0·75	43·9479	10·4	...	20·478	+24·334	-4	a	...	*	47·968	+22·870	1·00	43·9496	9·6	
...	5·491	-34·622	-5	M	...	...	20·924	-31·239	0·80	...	...	...	...	48·503	-26·015	-1	44·10071	10·4
...	5·336	+20·440	0·90	43·9480	10·2	...	21·558	-42·995	-4	...	...	*	49·432	-13·583	1·20	43·9497	9·4	
...	4·815	+36·794	-3	M	...	...	21·783	-36·650	0·80	...	...	...	...	50·166	-7·318	-4	...	...
...	-4·602	+4·820	-4	Mm	...	...	+22·111	-35·211	0·80	...	...	...	...	+51·110	+18·009	-3	...	...
...	3·983	-31·419	-4	...	...	...	22·219	-40·348	0·80	...	...	...	...	51·168	-33·704	-3	...	...
...	3·097	+49·059	0·80	43·9481	10·4	†	22·719	+14·946	1·00	43·9485	10·2	...	...	52·701	+18·139	-4	...	...
†	3·049	+54·854	-4	m	...	†	23·281	-39·891	-4	...	...	...	...	53·234	+22·487	-5	m	...
...	2·622	+7·638	-4	Mm	...	...	23·340	-14·659	-4	...	...	...	...	53·417	-51·952	-1	44·10072	10·4
101	...	...	...	...	...	151	...	...	...	...	...	201	...	...	...	...	...	...
†	-2·249	+49·955	-4	M	...	...	+24·137	-22·163	0·75	...	...	...	+	53·617	+17·254	-4	e	...
...	1·738	+5·925	-4	Mm	...	...	24·204	+31·993	0·85	...	...	...	...	57·841	+5·970	-4	...	...
...	1·677	-41·579	-4	...	...	...	24·422	+31·729	0·70	...	...	...	...	57·975	+3·774	-4	...	...
...	1·432	-5·857	-5	...	...	...	25·524	-21·661	0·75	44·10064	10·4	...	...	...	...	...	...	...
...	1·379	+36·418	-3	M	...	S*	25·532	+50·231	1·60	43·9486	8·8	...	...	...	...	...	...	...
...	-1·000	+57·947	-4	M	...	...	+25·645	+25·708	-3	...	...	...	...	...	...	...	...	...
†	+1·005	-29·914	-4	...	...	†	25·697	-39·899	-3	...	...	...	...	...	...	...	...	...
S*	1·373	-17·665	2·40	44·10057	7·8	...	25·998	-37·765	-4	...	...	...	...	...	...	...	...	...
...	2·320	-52·994	0·65	...	...	...	26·653	+6·158	-4	m	...	...	...	...	...	...	...	...
...	2·987	-32·367	-5	...	...	*	26·779	-38·864	1·00	44·10065	10·0	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-180					
I						61						121					
*	-58.907	+13.433	1.15	43.9497	9.4	...	-22.951	-12.281	0.65	44.10083	10.4	*	+3.364	+30.731	1.00	43.9521	9.4
...	58.643	-26.174	-1	44.10071	10.4	...	22.601	-2.706	-1	44.10084	10.4	*	3.436	+52.687	1.00	43.9522	9.8
...	58.455	-53.697	-5	...	...	...	22.584	+24.208	-3	...	...	...	3.897	-13.250	-5	...	...
...	57.536	-7.441	-5	...	...	...	21.851	+29.639	-4	...	...	...	5.294	-53.288	1.00	45.10200	9.8
...	57.363	+17.908	-4	...	...	...	21.684	+25.055	-3	...	...	...	6.778	+6.507	-4	...	...
...	-55.780	+18.088	-4	...	...	*	-21.379	-39.588	1.00	44.10085	9.8	...	+7.724	+28.249	-4	b	...
...	55.741	-33.771	-4	...	...	...	21.350	-20.822	-5	...	...	...	7.848	-9.858	0.75	...	...
...	54.847	+17.232	-5	E	...	...	20.854	+25.978	-3	...	...	...	8.756	+2.641	0.70	...	...
...	52.942	-51.958	-3	44.10072	10.4	...	19.901	+17.653	-4	...	...	...	8.894	-20.891	0.85	44.10096	10.4
...	50.273	+6.081	-4	...	...	...	19.133	-49.216	-3	...	...	...	8.955	+27.910	0.70	...	...
II						71						131					
...	-50.067	+3.887	-4	...	...	...	-19.074	+40.305	-4	...	...	...	+9.228	-20.739	-4	...	...
...	47.538	+30.738	0.95	43.9498	10.4	...	18.079	+56.328	-2	...	...	...	10.628	+43.475	-2	...	...
...	47.364	+41.967	0.75	43.9499	10.4	...	17.696	+53.128	-4	...	...	...	11.072	-2.275	-5	...	...
...	47.170	-16.989	-4	...	...	...	16.672	+33.149	-5	M	...	...	12.364	-47.096	0.70	...	...
...	46.562	-55.688	-5	...	...	*	16.517	+15.752	1.20	43.9510	9.6	...	12.964	-57.005	1.00	45.10203	9.6
...	-45.346	+50.900	-1	...	...	†	-16.368	+14.813	-2	...	...	...	+13.383	-38.187	-5	...	...
...	45.218	+39.636	0.95	43.9500	10.4	...	16.196	-32.014	0.75	44.10086	10.4	...	13.391	+16.385	0.70	...	...
*	41.775	-54.466	1.00	45.10183	9.8	*	15.583	-56.512	1.20	45.10190	9.6	...	13.867	+30.269	-4	...	...
*	41.014	+9.187	1.00	43.9501	9.6	...	15.347	+41.680	-4	B	...	S*	15.077	-33.726	1.05	44.10097	9.2
S*	40.828	-40.577	1.75	44.10073	8.5	...	15.299	+31.145	-4	...	...	...	15.079	-31.787	0.90	44.10098	10.0
2I						81						141					
...	-40.136	-32.353	-3	...	...	*	-15.013	-29.165	1.00	44.10088	9.6	...	+15.146	-45.398	0.80	44.10099	10.4
...	39.921	+45.767	-4	...	...	...	14.989	-51.775	-1	44.10087	10.4	†	15.454	-39.182	1.00	44.10100	9.6
...	38.022	-44.506	-1	44.10074	10.4	†	14.553	+28.798	-3	...	...	...	15.512	-17.965	-3	...	...
S*	37.985	+45.668	1.00	43.9502	9.6	...	14.398	+16.375	0.65	43.9511	10.4	...	15.593	-24.177	-3	...	...
...	37.895	+18.734	0.80	...	...	...	14.293	+29.122	-3	...	...	...	15.854	-37.306	-2	...	...
...	-37.313	-39.781	-5	...	...	...	-13.401	-45.164	-4	...	...	*	+15.976	-28.054	1.00	44.10101	9.6
†	36.237	+24.881	-4	...	...	...	12.844	+36.138	0.90	43.9513	10.0	...	15.985	-31.940	-5	...	...
...	36.141	+57.691	-5	...	...	*	12.792	+26.049	1.80	43.9512	8.6	...	16.088	-11.747	-4	...	...
S*	36.079	+2.790	3.50	44.10075	6.5	...	12.693	+42.389	0.80	43.9514	10.4	*	16.142	-43.462	1.00	44.10102	10.2
...	35.519	+16.663	-5	M	...	...	12.613	+2.829	0.75	44.10089	10.4	...	16.418	+50.441	-3	...	...
3I						91						151					
...	-35.517	+18.341	-3	...	...	...	-12.602	-58.179	-1	...	...	...	+17.218	-52.205	-4	...	...
...	35.208	-28.428	-4	...	...	...	12.468	-59.529	-4	...	...	...	18.400	-47.391	-5	...	...
...	35.069	+7.348	-4	...	...	*	12.136	+7.440	1.00	43.9515	9.6	...	18.744	-8.544	-5	...	...
...	34.483	-0.243	-3	...	...	...	11.479	-24.686	-4	...	...	...	18.772	-17.655	0.90	44.10103	10.0
...	33.781	-18.216	-3	...	...	...	10.180	+29.154	0.80	43.9516	10.0	...	18.929	-54.674	-2	...	...
...	-33.698	+58.266	-4	...	...	...	-9.140	+6.039	-4	B	...	...	+19.111	+11.414	-2	...	...
*	33.371	+5.782	1.40	44.10077	8.6	...	8.866	-23.289	-4	...	...	...	19.388	-11.230	-5	...	...
*	33.243	-25.914	1.00	44.10076	9.6	*	8.665	-32.602	1.00	44.10090	9.6	...	20.175	+37.371	-3	...	...
...	32.930	-0.934	-5	...	...	*	8.269	-24.022	1.20	44.10091	9.4	...	21.065	-54.137	-5	...	...
...	32.554	+50.383	-1	43.9505	10.4	...	7.558	-35.257	-3	...	...	...	21.308	+1.715	-5	m	...
4I						101						161					
*	-32.541	+9.092	1.40	43.9504	8.5	S*	-7.377	-35.959	1.75	44.10092	8.6	...	+21.716	+21.706	0.75	43.9524	10.4
...	31.860	+2.599	0.75	...	...	*	6.943	+53.595	1.00	43.9517	10.4	...	22.867	-53.899	-5	...	...
...	31.825	+46.804	1.00	43.9506	10.4	...	6.582	+58.792	-2	43.9518	10.4	...	23.054	-13.570	0.90	44.10104	10.0
*	31.060	-46.600	1.25	44.10078	9.4	...	6.206	-18.147	-5	...	...	...	23.996	+12.434	-2	...	...
...	30.154	+23.807	0.95	43.9507	10.2	...	2.998	-37.228	-4	...	...	...	25.597	+50.639	-5	m	...
...	-29.668	+30.680	-4	A	...	...	-2.948	+36.557	-4	...	...	*	+25.645	-22.631	0.90	44.10105	10.0
*	29.634	+18.663	1.00	43.9508	9.6	...	1.986	-19.121	-2	...	...	...	26.474	-45.478	-2	...	...
†	29.476	-38.696	0.95	44.10079	9.6	...	1.550	-19.243	0.80	44.10093	10.2	...	27.590	-16.195	0.80	...	...
...	28.364	-54.180	-1	45.10188	10.4	...	1.415	-26.478	-5	...	...	...	28.096	-1.924	0.65	...	...
...	27.754	+3.068	0.75	44.10080	10.4	*	-0.833	-2.124	1.10	44.10094	9.6	...	28.528	+20.462	-4	...	...
5I						111						171					
...	-27.563	+7.891	-4	...	...	...	+0.140	-23.807	-3	...	...	*	+28.979	-20.753	0.90	44.10106	10.0
†	26.095	-10.086	-4	...	...	...	0.211	+7.266	-4	Bm	...	*	29.417	-31.111	0.90	44.10107	10.4
...	25.925	-39.872	0.75	44.10081	10.4	...	0.608	-26.354	0.90	44.10095	10.4	...	29.423	+9.385	0.95	43.9525	10.0
...	25.565	-31.768	-4	...	...	...	0.881	+21.857	0.75	43.9519	10.4	...	30.638	+10.861	-4	...	...
...	25.254	+56.813	-5	...	...	...	1.509	-29.137	-5	...	...	...	31.340	+3.059	-4	...	...
...	-25.113	-28.506	-1	44.10082	10.4	S*	+1.547	+36.121	1.75	43.9520	8.4	...	+31.717	-19.574	-4	...	...
†	24.445	-35.582	-5	...	...	...	2.016	-26.228	-4	...	...	...	32.430	+34.640	-4	...	...
...	23.769	-9.139	-5	...	...	...	2.051	+1.538	-5	Mm	...	...	32.454	-25.184	-4	...	...
...	23.139	+11.008	-2	...	...	...	2.554	-40.491	-4	...	...	*	32.748	+16.382	0.95	43.9526	9.6
...	23.063	+17.565	-5	M	...	...	3.027	+6.910	-4	M	...	...	33.179	-32.202	-4	...	...

L measured from 1, 113.
MC " " 48, 174.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
181-200						201-220						221-227					
181						201						221					
...	+33.733	-9.429	-1	44.10108	10.4	S *	+41.455	+6.006	2.45	44.10114	7.6	...	+52.813	+28.287	-4	...	...
*	33.882	-27.984	1.00	44.10109	9.6	S *	41.680	+50.651	1.85	43.9531	8.5	...	53.130	+25.601	-2	43.9538	10.4
...	34.104	+3.311	-4	c	...	...	42.342	-32.707	0.70	44.10115	10.4	...	55.988	-46.531	-5	...	...
...	35.067	+0.020	-3	...	...	*	43.026	-27.440	0.95	44.10116	10.0	...	56.824	-13.738	-5	...	...
†	35.278	-55.334	-4	...	...	...	43.097	-12.140	-4	...	...	...	57.002	+43.914	-5	...	...
...	+35.885	-23.878	0.90	44.10110	10.0	...	+44.058	+19.251	-5	...	...	...	+57.393	+6.994	-5	...	...
...	36.259	-20.334	-5	...	...	...	44.739	+49.986	1.00	43.9532	9.8	...	57.421	-14.929	-4	...	...
...	36.826	-22.391	-3	...	...	†	45.379	+14.678	0.80	43.9533	10.4	...	...	...	...	...	...
*	37.020	+4.692	0.90	44.10111	9.6	...	45.499	+29.483	-5	...	...	...	...	...	...	...	...
...	37.120	+49.867	-1	43.9528	10.4	...	45.655	+58.321	-5	...	...	...	...	...	...	...	...
191						211											
...	+37.220	+58.693	-1	43.9527	10.4	...	+48.251	+40.702	-4	...	...	...	...	...	...	...	...
*	37.625	-17.314	0.90	44.10112	10.4	...	50.684	+28.369	-3	...	...	...	...	...	...	...	...
...	37.699	-57.286	1.10	45.10215	9.6	...	51.095	-2.119	0.70	44.10117	10.4	...	...	...	...	...	...
S *	38.485	-24.932	1.30	44.10113	8.8	...	51.133	+33.336	0.95	43.9534	10.0	...	...	...	...	...	...
*	38.504	+22.644	0.90	43.9529	10.0	...	51.941	+42.145	-1	43.9535	10.4	...	...	...	...	...	...
...	+39.397	-38.915	-4	...	...	*	+51.997	+38.088	1.00	43.9536	10.0	...	...	...	...	...	...
...	39.680	+53.949	-5	...	...	...	52.249	+20.033	1.10	43.9537	9.6	...	...	...	...	...	...
...	39.747	+59.632	-5	...	...	...	52.257	+39.902	-3	...	...	...	...	...	...	...	...
†	40.768	+49.750	-3	43.9530	10.4	...	52.487	-2.487	0.65	...	...	...	...	...	...	...	...
...	41.056	-56.576	-5	...	...	...	52.623	-49.229	-3	...	...	...	...	...	...	...	...

1-30						31-60						61-90						
I	x.	y.	Diam.	C.P.D. No.	Mag.	I	x.	y.	Diam.	C.P.D. No.	Mag.	I	x.	y.	Diam.	C.P.D. No.	Mag.	
...	-58.109	+28.252	0.70	...	...	31	-37.339	-31.018	1.00	44.10119	10.2	61	-23.971	-19.352	-5	M	...	
...	57.804	+33.234	1.00	43.9534	10.0	...	37.298	+59.596	-5	...	...	...	* 23.588	+4.847	1.00	44.10123	9.4	
...	57.263	+42.055	-1	43.9535	10.4	S *	36.290	-47.069	1.80	44.10120	9.1	...	...	...	-1	...	...
...	57.092	+38.012	1.00	43.9536	10.0	...	36.281	+10.510	-5	...	...	...	*	23.096	-30.139	1.00	44.10124	9.6
†	56.874	+39.819	-4	...	...	...	36.261	-30.166	-4	...	...	...	...	22.966	-21.780	0.70	...	...
...	-56.769	-2.207	1.00	44.10117	10.4	...	-36.242	-31.992	-4	...	...	...	*	-22.365	+17.149	1.00	43.9547	10.0
†	56.291	+19.971	1.00	43.9537	9.6	...	35.676	+23.757	-4	...	...	...	S *	22.233	-16.453	2.00	44.10125	8.6
...	55.967	+28.233	-4	...	...	...	35.589	+45.328	-2	...	...	...	...	21.925	+34.263	-5	M	...
...	55.573	+25.557	-1	43.9538	10.4	*	35.394	+10.225	1.05	43.9542	9.4	...	...	20.965	+54.058	-4	...	...
...	55.369	-2.531	0.85	...	...	†	35.030	+29.951	1.00	43.9543	9.4	...	...	20.721	-7.801	-2	...	...
11						41						71						
...	-53.823	-49.248	-3	...	...	...	-34.367	+13.442	-2	...	...	...	...	-20.413	-37.976	0.95	44.10126	10.4
...	52.278	-18.298	-5	...	...	...	34.233	-8.891	-5	...	...	...	*	19.592	-15.697	2.00	44.10127	9.1
...	52.264	+43.977	-5	...	...	...	33.042	-14.411	0.80	...	...	...	...	19.348	+1.830	0.65	...	...
...	50.759	+7.091	-5	...	...	*	32.760	-6.723	1.00	44.10121	9.6	...	...	* 19.247	-8.261	1.40	44.10128	9.0
...	50.701	-13.641	-5	...	...	...	32.162	-53.496	-1	...	...	...	...	19.124	+8.725	-5	M	...
...	-50.536	-46.440	-5	...	...	...	-30.967	+23.034	0.65	...	...	...	...	-19.074	-56.302	-5	...	...
†	50.069	-14.812	-4	...	...	*	30.958	+12.792	1.00	43.9544	9.6	...	†	17.954	+24.846	-4	...	...
...	48.392	+59.211	-5	...	...	†	30.096	+8.232	-3	...	...	...	*	17.789	+55.772	1.10	43.9548	9.4
...	48.257	+27.744	0.65	...	...	...	28.842	+1.084	-3	A	...	...	*	17.284	-6.748	2.00	44.10129	9.0
...	47.719	+21.205	-3	...	...	...	28.531	-52.848	-4	...	...	...	*	17.008	-46.164	1.20	44.10130	9.4
21						51						81						
...	-47.531	+32.557	-5	...	...	...	-28.510	-44.686	0.65	...	...	...	...	-16.437	+8.431	-2	...	...
*	46.622	+27.922	1.80	43.9539	8.5	...	28.068	+24.048	-5	M	...	...	...	15.984	-19.886	-5	...	...
...	45.926	-6.637	-5	...	...	...	27.553	+43.149	-5	...	...	...	...	14.731	-10.258	-1	...	...
†	45.165	+32.825	2.10	43.9540	8.2	*	27.462	-23.276	1.20	44.10122	9.4	...	...	14.527	-21.123	0.85	...	...
...	44.822	-16.550	-4	...	...	...	27.317	+12.387	-4	...	...	...	...	14.379	+58.308	0.70	...	...
*	-42.840	-36.149	0.95	44.10118	10.0	S *	-27.233	+17.519	1.20	43.9545	9.2	...	...	-14.294	+9.127	0.90	...	...
S *	38.854	+40.950	2.40	43.9541	8.0	...	26.475	-28.706	-3	...	...	...	...	14.269	-7.871	0.70	...	...
...	38.648	+36.541	-5	...	...	*	26.266	+38.998	1.00	43.9546	9.6	...	...	12.635	+32.579	-1	...	...
...	38.613	-6.196	-5	...	...	...	26.020	+7.504	-5	M	...	...	...	12.633	-3.225	0.85	...	...
...	38.014	+43.019	-5	...	...	...	26.014	-21.229	0.80	...	...	...	...	12.434	-19.374	-3	...	...

L measured from 1, 150.
C " " 83, 211.

Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.		Notes.	Co-ordinates.		Diam. -3.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
91-140						141-190						191-231					
9I	-12.390	-13.658	-1	...	...	14I	+11.005	+38.263	-1	...	...	19I	+34.863	+41.659	-3	...	...
...	11.298	-9.044	-5	...	...	...	11.069	+52.474	-3	...	...	...	35.012	-5.881	-5	...	...
...	10.811	+27.079	-4	...	...	...	11.206	+29.851	1.00	43.9554	9.4	*	35.036	+42.572	2.00	43.9561	8.4
...	9.964	+31.722	0.70	...	...	...	11.417	-33.024	-5	...	...	*	35.464	+3.134	1.00	44.10149	10.0
...	9.926	-10.331	0.70	44.10131	10.4	*	12.000	-18.673	1.00	44.10141	9.6	*	35.845	-36.294	1.00	44.10150	10.0
...	-9.627	+38.789	-5	M	...	f*	+13.055	+0.238	1.10	44.10142	9.4	...	+38.112	-29.198	0.65	...	...
...	9.405	-28.221	0.75	44.10132	10.4	*	13.204	+50.605	1.80	43.9555	9.0	...	38.647	-2.953	-5	...	...
...	9.337	+55.529	0.70	...	...	...	13.980	+44.476	-1	...	...	S*	39.153	+2.429	2.55	44.10151	8.0
...	8.863	+33.203	-4	A	...	...	14.219	-33.532	-4	...	...	...	39.275	+59.708	-5	...	...
...	8.803	-1.302	0.90	44.10133	10.4	...	15.643	-37.746	-4	...	...	...	40.465	-23.460	0.85	44.10152	10.4
10I	-8.452	-35.691	0.65	...	...	15I	+16.362	-44.294	1.00	44.10143	10.4	...	+41.562	+20.998	0.90	43.9562	10.4
...	8.135	-0.768	0.65	...	...	...	17.246	+36.205	0.90	43.9556	10.0	...	41.880	-14.844	-3	...	...
...	7.493	-19.642	-3	...	...	*	17.819	+36.141	1.00	43.9557	9.8	*	42.076	+33.912	1.00	43.9563	9.6
*	7.347	-50.339	1.30	44.10134	9.4	...	18.147	-42.238	0.80	...	...	...	42.237	-36.544	1.00	44.10153	10.2
...	7.148	+39.424	0.65	...	...	...	18.298	+25.790	-5	...	...	...	42.453	-33.209	-5	...	...
...	-7.140	+39.423	-2	A	...	...	+18.312	-7.629	-5	...	...	...	+43.257	+45.456	-5	...	...
*	6.995	+45.558	1.10	43.9549	9.6	...	18.809	+7.656	-5	...	...	*	43.641	-39.014	1.10	44.10154	9.8
...	6.971	-34.507	-2	...	...	...	18.919	+33.217	-4	...	...	...	43.904	+39.260	-5	...	...
...	5.320	-34.053	-3	...	...	S*	19.451	+40.850	2.00	43.9558	8.2	...	43.924	+11.177	0.80	...	...
*	4.571	+13.508	1.20	43.9550	9.4	...	19.625	-49.007	-5	...	...	*	44.411	+38.223	1.20	43.9564	9.3
11I	-4.554	-54.795	-2	...	...	16I	+20.315	-16.046	1.15	44.10144	9.4	...	+44.733	+27.443	0.65	...	...
...	4.438	-11.173	0.70	44.10135	10.4	...	20.446	+0.191	0.70	α	...	...	46.781	-21.225	-1	...	...
...	4.381	-41.602	-2	...	...	...	20.550	-44.353	-2	...	...	...	46.972	+25.896	-1	...	...
*	3.822	+40.366	1.10	43.9551	9.4	...	21.949	-54.655	-2	...	...	...	47.209	-28.476	-5	...	...
...	3.420	-17.815	0.95	44.10136	10.0	...	22.048	+51.949	-3	...	...	...	48.085	+41.269	-5	m	...
S*	-1.858	+57.635	2.00	43.9552	8.6	*	+22.079	+50.429	1.15	43.9559	9.6	...	+48.944	-39.067	-4	...	...
*	1.508	+57.931	1.10	43.9553	9.6	...	23.733	-53.446	-5	...	...	*	49.051	-56.874	2.00	45.10254	9.2
...	1.210	+49.420	0.70	...	...	...	24.017	+23.588	0.70	...	...	...	49.284	+8.667	0.95	43.9566	10.4
...	1.202	+18.592	0.80	...	...	S*	24.937	-32.361	3.00	44.10145	7.2	...	49.856	+36.987	0.65	...	...
...	1.111	-37.695	0.75	...	...	...	27.050	+25.284	-4	...	...	...	51.064	-16.337	0.70	...	...
12I	-0.367	+23.792	-1	m	...	17I	+27.322	-48.214	-1	...	...	...	+51.712	+7.497	0.90	43.9567	10.4
...	+1.247	+10.243	0.70	...	...	...	27.767	-39.490	-1	...	...	...	51.748	+7.417	-5	...	...
...	2.010	+34.862	0.70	...	...	...	28.194	+3.723	-2	...	...	...	52.095	-30.187	0.95	44.10155	10.0
...	2.982	+55.380	-4	M	...	...	29.483	-12.061	-4	...	...	...	52.986	-31.473	-3	...	...
...	4.620	-48.239	0.75	...	...	...	29.619	+41.090	-2	...	...	...	54.017	-14.579	-5	...	...
...	+4.808	+41.266	0.65	...	...	...	+29.940	-31.825	-5	...	...	*	+54.974	-46.218	1.60	44.10156	9.6
...	5.535	-9.723	-5	...	...	...	30.114	-7.179	-5	...	...	S*	55.494	-45.545	1.90	44.10157	9.3
...	5.562	-11.959	-3	...	...	*	31.601	+18.981	1.00	43.9560	10.0	...	56.282	-0.071	-4	f	...
...	5.845	-48.499	0.70	...	...	*	31.956	+1.309	1.00	44.10146	9.6	...	56.809	+28.932	0.65	...	...
...	5.908	-6.108	1.00	44.10137	9.8	...	32.192	+26.776	-5	...	...	...	58.812	+52.214	-3	...	...
13I	+6.262	-3.070	-3	...	...	18I	+33.028	+39.846	-3	...	...	...	+58.968	+17.925	-5	...	...
...	6.399	-17.441	-2	...	...	...	33.085	+17.736	-5	...	...	...	...	...	...	...	...
S*	6.986	-47.258	1.70	44.10138	9.0	*	33.186	-48.527	1.10	44.10147	9.8	...	...	...	...	...	...
...	7.297	+5.231	-4	...	...	...	33.239	-0.169	-4	...	...	...	...	...	...	...	...
*	8.495	+1.325	1.00	44.10139	9.6	*	33.901	+0.582	1.00	44.10148	9.6	...	...	...	...	...	...
*	+9.329	-44.100	1.20	44.10140	9.4	...	+34.001	+52.153	-5	...	...	...	...	...	...	...	...
...	9.784	-56.737	-3	...	...	...	34.160	+14.137	-2	...	...	...	...	...	...	...	...
...	9.945	-14.706	-2	...	...	...	34.289	+6.183	-4	...	...	...	...	...	...	...	...
...	10.194	+21.068	-5	...	...	...	34.340	-53.360	1.00	45.10248	9.8	...	...	...	...	...	...
...	10.396	-23.010	0.75	...	...	...	34.494	+45.403	-5	...	...	...	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-154					
I	...	...	...	...	...	61	...	...	...	...	...	121	...	...	...	...	...
...	-58.916	+ 8.524	0.70	43.9566	10.4	...	- 8.410	+13.749	- 5	...	...	...	+32.041	-24.235	0.95	...	...
*	57.126	-56.996	1.50	45.10254	9.2	...	7.976	+ 2.406	- 2	...	...	...	32.550	+27.446	- 5	...	...
...	56.441	+ 7.435	0.70	43.9567	10.4	...	7.712	-34.790	1.00	...	...	...	32.855	- 4.578	0.70	...	...
...	56.402	+ 7.351	- 5	...	...	...	7.579	+37.437	1.00	...	...	...	32.908	- 7.276	0.95	...	...
...	56.371	-16.423	- 2	...	...	...	6.910	+14.571	- 5	...	...	...	34.052	-20.093	1.00	44.10178	9.8
†	-54.897	-30.222	0.70	44.10155	10.0	...	- 6.550	+10.122	- 3	...	...	...	+34.094	+36.330	- 5	b	...
...	53.993	-31.486	- 5	...	...	...	5.084	- 6.049	- 3	...	...	...	34.183	-11.976	0.65	...	...
...	53.465	-14.567	- 5	...	...	...	4.979	-45.733	1.05	44.10165	9.8	...	34.553	-22.919	0.95	44.10179	9.8
...	52.005	+29.020	- 4	...	...	...	3.908	- 4.963	0.95	44.10166	9.8	...	35.013	-35.439	- 3	...	...
...	51.528	-46.173	1.00	44.10156	9.6	...	3.857	+20.097	- 5	m	...	...	36.700	+53.135	1.40	43.9586	9.2
II	...	...	...	...	...	71	...	...	...	...	...	131	...	...	...	...	...
S*	-51.035	-45.470	1.20	44.10157	9.3	...	- 3.614	+24.499	0.75	...	...	...	+37.004	-41.790	- 1	...	...
...	50.715	+52.357	- 4	...	...	...	3.270	+ 1.340	1.10	44.10167	9.6	...	37.719	+25.525	1.00	43.9587	9.8
...	49.514	+18.068	- 5	...	...	...	3.107	+53.127	- 2	...	...	...	38.474	- 8.318	1.00	44.10180	9.8
...	48.972	+52.227	- 3	43.9568	10.4	...	2.701	-27.688	0.95	44.10168	9.8	...	40.276	+ 9.461	- 4	b	...
...	48.663	+39.246	0.70	43.9569	10.4	...	1.933	+ 9.123	1.10	43.9581	9.8	...	41.098	+16.088	- 1	...	...
...	-46.617	+58.068	1.00	43.9570	9.4	S*	- 1.332	-27.069	2.50	44.10169	7.0	...	+41.540	- 9.296	- 1	...	...
...	44.620	+57.494	0.75	43.9571	10.0	...	- 0.834	+28.690	- 5	m	...	...	42.036	-31.022	- 5	...	...
...	42.897	-46.094	- 5	...	...	...	+ 0.530	-15.599	0.65	...	...	...	42.274	-15.037	- 5	...	...
...	42.651	-27.342	- 3	...	...	...	1.491	-47.837	1.00	44.10170	9.8	...	43.771	+36.342	0.90	...	...
...	41.643	-17.347	0.70	...	...	...	1.994	- 0.076	- 5	...	...	...	43.797	-15.749	0.65	...	...
21	...	...	...	...	...	81	...	...	...	...	...	141	...	...	...	...	...
...	-38.309	+16.141	0.75	...	...	S*	+ 2.888	+32.320	2.00	43.9582	8.0	...	+43.862	+21.640	0.65	...	...
...	37.861	-17.082	1.15	44.10159	9.3	...	3.222	+53.027	0.70	...	...	...	44.031	-28.696	- 1	...	...
S*	37.856	-52.570	1.60	44.10158	9.1	...	3.410	-10.371	- 5	...	...	...	44.592	+26.783	- 4	a	...
...	37.567	+49.541	- 4	...	...	...	4.293	+47.526	0.75	...	...	...	45.273	-34.931	0.70	...	...
...	37.370	+59.649	1.20	43.9572	9.2	...	5.560	-46.388	- 5	...	...	...	45.658	+ 4.419	1.00	44.10181	9.8
...	-35.247	+37.811	- 3	...	...	...	+ 5.917	-44.265	- 4	...	...	...	+47.922	- 9.115	- 1	...	...
...	34.142	-46.168	0.65	44.10160	9.8	...	5.944	-13.160	1.00	44.10171	9.8	...	52.007	+51.520	- 3	...	...
...	33.991	+21.907	1.05	43.9573	9.6	...	6.694	-36.484	- 5	...	...	S*	53.223	+ 2.624	1.10	44.10182	9.2
S*	33.171	+17.008	1.80	43.9574	8.6	...	9.242	-13.188	1.50	44.10172	9.2	...	54.421	-10.023	0.70	...	...
...	31.349	-26.638	- 5	...	...	...	9.551	- 8.990	1.15	44.10173	9.4	...	54.866	+33.321	0.85	...	...
31	...	...	...	...	...	91	...	...	...	...	...	151	...	...	...	...	...
...	-30.824	-49.311	- 1	...	...	...	+10.437	+29.547	- 4	...	...	...	+55.618	-46.808	- 5	...	...
...	30.793	-26.537	- 5	M	...	...	11.499	+40.434	0.80	...	...	...	56.827	+25.053	1.05	43.9588	9.8
...	29.026	+15.491	- 3	...	...	...	12.859	- 1.261	- 4	...	...	...	56.986	-20.577	2.80	44.10183	6.8
...	28.550	+40.795	- 3	...	...	...	12.968	+50.586	- 5	...	...	...	59.434	+48.155	0.85	...	...
...	28.094	+44.726	- 5	...	...	...	13.775	+27.999	- 3	...	...	...	...	...	...	...	...
S*	-26.585	-32.095	1.80	44.10161	8.6	...	+13.912	-43.391	1.20	44.10174	9.4	...	...	...	...	...	...
...	25.911	+56.050	0.80	43.9575	10.4	...	14.081	-23.485	1.00	44.10175	9.8	...	...	...	...	...	...
...	25.446	- 6.508	- 5	...	...	...	14.327	-15.260	1.00	...	...	...	...	...	...	...	...
...	24.304	+ 0.981	1.00	44.10162	9.8	...	14.368	+ 1.272	- 5	m	...	...	...	...	...	...	...
...	24.145	-58.479	0.95	45.10258	10.4	...	14.891	-15.444	- 4	...	...	...	...	...	...	...	...
41	...	...	...	...	...	101	...	...	...	...	...	...	...	...	...	...	...
...	-21.167	+55.967	1.20	43.9576	9.8	...	+16.278	+20.540	0.65	...	...	...	...	...	...	...	...
...	20.597	-24.932	- 5	...	...	...	17.640	+34.820	- 5	m	...	...	...	...	...	...	...
...	20.585	+31.544	1.10	43.9577	9.8	...	18.308	-24.126	0.70	44.10176	9.8	...	...	...	...	...	...
...	20.424	+ 5.717	1.15	44.10163	9.0	...	18.737	+ 5.948	- 4	b	...	...	...	...	...	...	...
S*	20.117	+47.491	1.80	43.9578	8.0	...	20.625	- 9.087	- 3	...	...	...	...	...	...	...	...
...	-19.929	+47.599	- 1	...	...	...	+23.215	-32.896	0.80	...	...	...	...	...	...	...	...
...	19.565	+35.019	0.65	...	...	S*	24.049	-32.869	1.50	44.10177	9.0	...	...	...	...	...	...
...	17.890	-22.806	- 5	...	...	...	24.638	-43.863	- 5	...	...	...	...	...	...	...	...
...	17.711	+45.032	- 5	...	...	...	25.083	-36.552	0.75	...	...	...	...	...	...	...	...
...	16.246	-18.590	- 5	...	...	...	25.787	+14.760	0.85	...	...	...	...	...	...	...	...
51	...	...	...	...	...	111	...	...	...	...	...	...	...	...	...	...	...
...	-13.875	- 4.370	- 5	...	...	...	+26.109	- 5.729	0.65	...	...	...	...	...	...	...	...
...	13.312	-13.385	- 3	...	...	...	26.277	+45.332	1.10	43.9584	9.8	...	...	...	...	...	...
...	12.623	-48.004	0.70	...	...	...	26.488	+ 6.100	0.80	...	...	...	...	...	...	...	...
...	12.384	+ 4.549	- 2	...	...	S*	27.483	+28.155	2.30	43.9585	7.5	...	...	...	...	...	...
...	12.180	+42.223	0.85	...	...	...	28.012	+ 2.119	- 1	...	...	...	...	...	...	...	...
...	-10.909	+16.407	0.80	...	...	...	+28.515	-20.994	- 5	...	...	...	...	...	...	...	...
...	10.816	+10.087	1.00	43.9580	9.8	...	28.667	-55.532	- 5	...	...	...	...	...	...	...	...
...	10.671	+21.309	- 5	A	...	...	29.168	-42.668	0.80	...	...	...	...	...	...	...	...
...	9.632	-34.196	- 4	...	...	...	29.839	+24.795	0.80	...	...	...	...	...	...	...	...
...	8.437	- 0.656	1.15	44.10164	9.8	...	30.857	-56.187	- 3	...	...	...	...	...	...	...	...

NM measured from 1, 78.
ES 33, 120.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-60						61-120						121-158					
I	-59°731	-9°306	0·65	...	...	61	-5°699	-56°895	2·80	45°10277	6·5	121	+35°387	+44°676	-2	°b	...
...	57°472	+51°436	-5	...	...	S*	5°694	+21°640	-4	...	...	...	35°482	-57°436	-1	...	...
S*	54°792	+2°592	1·10	44·10182	9·2	...	5°656	-27°270	0·75	...	...	...	35°622	+14°597	0·65	...	...
...	54°090	+33°332	0·90	...	...	S*	5°121	+31°602	1·15	43·9593	9·2	...	35°815	-22°457	-2	...	...
...	53°206	-10°023	0·75	...	...	...	4°442	+23°902	0·65	...	...	...	36°054	-26°416	-1	...	...
†	-51°860	+25°123	1·00	43·9588	9·8	...	-3°404	-40°973	-4	...	...	...	+37°405	+3°773	0·65	b	...
...	50°898	-46°736	-5	...	...	...	2°524	-3°660	-5	...	...	...	37°474	+7°078	-5	m	...
S*	50°302	-20°460	2·70	44·10183	6·8	...	2°258	+47°916	0·80	...	...	...	40°154	+58°998	0·80	43·9600	9·8
†	49°948	+48°291	0·90	...	...	...	2°190	-4°873	-2	...	...	...	40°247	-2°427	0·70	...	...
...	48°093	+14°835	0·75	...	...	*	1°256	-32°652	1·05	44·10194	9·8	...	40°417	+7°631	-3	a	...
II	-45°875	-31°427	-5	...	...	71	-1°246	+48°407	1·90	43·9594	8·3	131	+41°870	+5°016	-4	b	...
...	45°151	+40°093	-4	...	...	S*	-0°925	-32°522	-5	...	...	S*	43°398	-52°202	1·80	44·10203	9·0
...	45°047	-15°808	-1	...	...	...	+0°765	+54°790	-5	M m	...	...	43°498	-51°286	-5	...	...
...	45°046	-16°854	-1	...	...	...	1°796	-31°011	-3	...	...	...	43°840	+22°073	-5	m	...
...	45°012	+9°707	0·65	...	...	*	2°779	-51°970	1·20	44·10195	9·6	...	44°404	+28°677	0·70	...	...
*	-44°170	+22°096	1·20	43·9589	9·0	...	+3°114	-12°903	0·80	...	...	S*	+46°794	-0°504	2·10	44·10204	7·8
...	43°381	-51°309	0·80	44·10184	9·8	*	3°359	-55°072	1·15	45·10279	9·8	...	46°801	+30°353	-5	m	...
...	40°425	-3°363	-3	...	...	...	3°510	+45°990	-5	M m	...	...	46°953	+29°490	-5	m	...
...	38°080	-32°806	-1	...	...	...	4°245	-28°748	-5	...	...	...	47°747	+16°729	-5	m	...
...	37°148	-0°313	0·75	...	...	*	4°780	+50°492	1·10	43·9595	9·6	...	47°863	+51°919	-5	m	...
21	-36°968	+37°173	-2	...	...	81	+5°033	-14°115	1·80	44·10196	8·5	141	+48°744	-12°706	1·20	44·10205	9·0
...	36°555	+58°223	2·60	43·9590	7·8	*	5°589	-1°544	0·95	44·10197	9·8	...	51°018	-53°123	-5	...	...
...	34°441	-26°299	-4	...	...	...	8°763	+58°938	-5	b	...	...	51°195	+47°755	-5	m	...
*	32°674	-6°160	1·00	44·10185	9·8	...	8°915	-30°099	-3	...	...	*	51°315	-9°231	1·20	44·10206	9·4
*	31°216	-14°431	1·25	44·10186	9·0	...	9°312	+11°531	-5	m	...	...	51°702	-18°396	-4	...	...
S*	-30°489	+36°077	1·90	43·9591	8·5	...	+9°420	-44°064	-3	...	...	...	+51°985	+5°560	0·70	...	...
...	30°227	+21°729	0·90	...	...	...	9°498	-33°249	-5	...	...	...	52°144	-17°408	0·75	...	...
...	30°150	-49°441	0·90	44·10187	9·8	...	11°031	+27°135	0·70	...	...	...	52°966	+0°054	-5	m	...
*	29°495	-9°869	1·00	44·10188	9·4	*	12°146	-8°298	1·60	44·10198	9·4	*	53°792	+44°542	1·60	43·9601	9·0
...	28°907	+34°624	-3	...	...	...	12°364	+10°214	-5	m	...	...	54°249	+10°908	0·90	...	...
31	-27°805	+44°969	-3	...	...	91	+12°829	-43°539	1·05	44·10199	9·4	151	+54°287	-46°065	-5	...	...
...	27°152	+58°891	-3	...	...	...	13°498	-52°302	-5	...	...	*	55°172	+15°414	1·10	43·9602	9·4
...	26°767	+35°518	-4	...	...	...	20°273	+54°131	-5	a	...	...	56°521	-46°499	0·85	...	...
...	26°612	+40°953	0·80	...	...	...	20°637	+26°050	1·00	...	...	...	57°104	-43°895	-5	...	...
...	26°215	-55°121	-1	...	...	*	22°776	-8°114	1·15	44·10200	9·4	...	57°352	-31°855	-5	...	...
...	-24°455	-0°836	-1	...	...	...	+22°938	+33°811	-3	b	...	...	+58°901	-40°092	0·95	44·10207	9·8
...	22°603	+51°090	-4	...	...	*	23°252	-2°772	1·50	44·10201	9·4	...	58°940	+11°100	-5	m	...
...	21°612	-57°823	0·85	...	...	...	24°369	-24°315	-5	...	...	...	59°675	+7°331	0·85	...	...
...	21°578	+20°992	-3	...	...	...	24°726	+4°395	-3	d	...	...	...	...	...	...	...
...	20°834	-46°750	0·70	...	...	...	25°372	-37°412	0·70	...	...	...	...	...	...	...	...
41	-20°334	-3°985	-4	...	...	101	+25°723	-24°565	-3	...	...	...	...	...	...	...	...
...	19°350	-56°024	0·95	...	...	*	25°951	-21°447	1·10	44·10202	9·8	...	...	...	...	...	...
...	19°206	+29°508	-4	A	...	*	26°416	+25°394	0·95	43·9596	9·8	...	...	...	...	...	...
...	18°897	+14°315	-2	...	...	...	26°980	+29°906	-5	m	...	...	...	...	...	...	...
...	18°767	-28°955	-1	...	...	†	28°214	-34°666	-4	...	...	...	...	...	...	...	...
*	-17°723	-46°802	1·00	44·10189	9·6	...	+28°389	+55°287	-5	m	...	...	...	...	...	...	...
...	16°079	-21°808	0·85	...	...	...	28°885	-40°247	-1	...	...	...	...	...	...	...	...
...	16°028	+12°592	-2	...	...	...	28°904	-44°316	-5	m	...	...	...	...	...	...	...
...	15°772	+27°721	-2	...	...	...	29°658	-11°350	-5	...	...	...	...	...	...	...	...
...	13°367	+16°462	-4	...	...	...	30°618	+28°399	-4	a	...	...	...	...	...	...	...
51	-13°236	-55°764	-1	...	...	III	+31°059	-40°125	-3	...	...	...	...	...	...	...	...
...	12°718	+50°221	-1	...	...	...	32°492	+2°167	-5	m	...	...	...	...	...	...	...
...	12°509	-35°325	0·90	44·10190	9·8	...	32°810	+21°548	0·85	...	...	...	...	...	...	...	...
...	11°157	+12°128	-2	...	...	...	32°831	+10°087	0·75	...	...	...	...	...	...	...	...
S*	9°917	-41°822	1·80	44·10191	7·8	...	33°355	+16°045	0·80	...	...	...	...	...	...	...	...
*	-9°012	-41°949	1·30	44·10192	9·4	...	+33°382	-3°545	0·70	...	...	...	...	...	...	...	...
...	7°460	+52°118	-1	...	...	...	34°347	+46°419	1·00	43·9597	9·8	...	...	...	...	...	...
...	7°246	+9°950	0·80	...	...	...	34°440	-53°282	-5	...	...	...	...	...	...	...	...
S*	6°472	-7°895	2·40	44·10193	7·2	S*	34°559	+54°594	1·40	43·9598	9·4	...	...	...	...	...	...
...	5°725	+59°140	0·80	...	...	*	35°310	+19°164	1·10	43·9599	9·8	...	...	...	...	...	...

ES measured from 1.
NM " " 73.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x	y.		No.	Mag
1-50						51-100						101-134					
I	-58.769	-12.867	1.25	44.10205	9.0	51	-20.491	+19.929	1.10	43.9606	9.4	101	+28.629	+40.790	0.80	...	...
*	56.329	-9.305	1.20	44.10206	9.4	S	20.121	+48.856	1.00	43.9607	9.8	...	28.710	+7.510	1.00	44.10225	9.8
...	56.113	+5.500	0.65	...	...	...	18.789	-34.218	0.75	...	...	...	30.278	-44.803	-4	...	...
...	55.663	-18.454	-5	...	...	...	18.274	-39.819	0.85	...	...	...	30.737	-18.410	0.70	...	...
*	55.478	+44.504	1.50	43.9601	9.0	...	16.139	+36.452	-5	M	...	*	32.541	+51.769	1.10	43.9617	9.6
...	-55.246	-17.447	-2	...	...	*	-15.781	-35.623	1.00	44.10218	9.8	...	+32.809	-24.997	-5	...	...
...	54.015	+10.885	0.70	...	...	...	15.474	-30.115	-5	...	...	...	33.915	-43.695	-5	...	...
*	53.216	+15.450	1.10	43.9602	9.4	...	14.216	+6.619	0.90	44.10219	9.8	*	35.533	-0.583	5.20	44.10226	5.7
...	52.437	-25.549	-5	...	...	*	13.673	-26.633	1.00	44.10220	9.6	...	36.893	+4.272	0.90	...	...
...	52.218	-46.032	-5	...	...	...	13.289	-33.941	-5	...	...	...	37.001	+35.691	-5	...	...
II						61						111					
...	-51.591	-51.029	-5	...	...	...	-13.122	-34.386	-4	...	...	...	+39.016	-27.609	-5	...	...
...	49.999	-46.391	-1	...	...	...	12.141	-24.644	0.70	...	...	*	40.104	-16.731	1.15	44.10227	8.8
...	49.609	-31.754	-5	...	...	...	11.429	+10.968	-4	B	...	S*	40.640	-15.889	4.20	44.10228	5.6
...	49.513	-43.797	-5	...	...	...	9.857	+27.510	0.95	43.9608	9.8	S*	40.884	+38.703	1.10	43.9618	9.4
*	48.484	+7.495	1.00	...	...	S*	9.720	-55.221	1.80	45.10293	8.4	...	40.949	+23.645	-1	...	...
...	-47.913	+45.416	-5	A	...	*	-9.160	+24.728	1.20	43.9609	9.2	*	+42.416	+56.543	1.15	43.9619	9.6
...	47.817	-39.938	0.90	44.10207	9.8	*	9.114	-48.044	1.05	44.10221	9.8	*	43.336	+18.719	1.15	43.9620	9.4
...	47.614	+21.506	-5	M	...	...	7.739	-52.610	0.65	...	...	...	44.178	-53.609	-5	...	...
...	46.511	-27.574	-3	...	...	...	7.357	+44.913	-5	...	...	...	45.644	+46.223	1.00	43.9621	9.8
...	46.355	-6.537	0.65	...	...	...	6.635	-13.053	-5	...	...	...	46.324	+47.486	-5	...	...
21						71						121					
...	-45.527	-31.074	0.75	44.10208	9.8	...	-5.861	+12.018	-5	M	...	...	+46.697	+43.889	0.70	...	...
...	45.017	-0.896	0.65	...	...	...	4.116	-29.308	0.70	...	...	...	48.363	-38.786	1.00	44.10229	9.6
†	44.907	+43.092	-4	...	...	...	3.478	-26.805	-5	...	...	...	49.603	-18.029	-5	...	...
...	44.565	+51.347	-3	...	...	...	-2.561	-4.129	-5	...	...	...	49.728	+2.443	-4	...	...
...	44.044	+47.841	-5	...	...	S*	+4.046	-46.881	1.10	44.10222	9.2	...	50.461	+8.957	-5	...	...
...	-43.791	-48.704	-5	...	...	...	+5.544	+23.570	0.90	...	...	S*	+50.603	-36.754	3.00	44.10230	6.7
S*	43.395	+15.779	1.20	43.9603	9.3	...	5.603	+21.206	0.65	...	...	†	52.654	-44.794	1.10	44.10231	8.8
*	42.835	-32.466	1.60	44.10209	8.8	...	5.694	+50.044	-5	...	...	...	52.778	+19.058	0.90	43.9622	9.6
*	42.151	+24.216	1.10	43.9604	9.4	...	6.027	-2.008	-2	...	...	*	52.970	-11.435	1.05	43.9623	9.4
...	41.013	+54.488	0.65	...	...	*	7.087	-27.440	1.00	44.10223	9.8	...	54.243	-43.781	-5	...	...
31						81						131					
...	-37.296	+35.827	0.65	43.9605	9.8	...	+7.235	+43.801	-4	...	...	*	+54.304	+46.861	1.20	43.9624	9.4
†	37.008	+5.098	1.00	44.10210	9.0	...	7.507	-17.955	0.75	...	...	...	55.974	-0.968	-3	...	...
...	36.780	-31.238	-4	...	...	...	7.784	+3.241	0.75	...	...	...	57.237	-41.371	-5	...	...
S*	35.113	-49.937	1.80	44.10211	7.9	...	7.820	-2.916	-5	...	...	†	59.743	+50.912	1.40	43.9625	9.0
S*	33.051	-34.120	2.10	44.10212	7.6	...	10.548	-45.110	-5	...	...	...		
...	-32.583	+33.138	-3	...	...	S	+11.431	+59.486	1.00	43.9610	9.8	...					
...	32.012	-11.558	-4	...	...	...	11.938	+24.438	-5	...	...	...		
S*	31.569	+5.256	1.80	44.10213	8.3	...	13.813	-27.041	-3	...	...	...		
...	29.378	+27.843	-4	B	...	*	14.374	+40.504	1.00	43.9611	9.8	...					
*	28.983	-37.735	1.70	44.10214	8.6	...	17.099	+49.693	0.85	...	...	...		
41						91											
*	-28.257	+5.232	1.70	44.10215	8.2	...	+17.291	+40.837	-1	...	...	...		
...	25.693	-14.939	0.70	...	...	S	18.943	+8.901	1.00	43.9612	9.8	...					
*	24.519	-46.038	1.20	44.10216	9.4	†	19.988	+59.892	1.00	43.9613	9.6	...					
...	24.408	-41.270	-5	...	...	...	20.621	-7.131	1.00	44.10224	9.8	...					
...	24.132	+40.539	0.80	...	...	...	21.639	+14.827	0.90	43.9614	9.8	...					
...	-23.044	-26.864	-4	...	...	*	+21.814	+48.163	1.20	43.9615	9.4	...					
...	22.764	-46.971	-4	...	...	...	22.291	+2.325	0.65	...	...	...		
...	21.852	-47.046	-5	...	...	...	26.319	-14.284	0.90	...	...	...		
*	21.615	-43.945	1.10	44.10217	9.8	...	26.820	+8.661	-1	...	...	...		
...	21.305	-50.909	-5	...	...	...	27.527	+47.979	0.65	...	...	...		

NM measured from r.
ES 75

Notes.	Co-ordinates.		Diam. §.	C.P.D.		Notes.	Co-ordinates.		Diam. §	C.P.D.		Notes.	Co-ordinates.		Diam. §.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-40						41-80						81-93					
I						41					81						
S*	-59.262	+ 1.882	1.15	44.10250	8.6	...	-13.075	+41.772	- 5	...	...	+47.478	-43.495	- 3	...	
...	59.220	+ 1.567	- 5	...	...	...	12.017	-57.313	- 5	...	*	47.956	+48.136	1.25	43.9663	9.0
...	57.734	-14.001	0.75	44.10251	9.6	...	11.163	-27.042	- 5	...	...	48.076	+18.044	- 5	...	...
...	55.529	-30.429	- 5	44.10252	9.6	...	9.162	+22.838	1.00	43.9650	9.2	...	50.633	+33.719	- 4
...	51.752	-48.447	0.65	44.10253	9.4	...	- 9.086	-40.780	- 5	...	*	51.042	-34.794	1.05	44.10272	9.1	
...	-51.397	-36.230	- 5	Mz*	+ 2.942	+ 0.754	1.00	44.10260	9.2	...	+51.260	-38.153	- 4	44.10273	9.6
...	49.582	+36.469	- 3	...	...	...	5.316	-29.530	- 4	...	...	51.605	-18.330	- 5	...	...
S*	48.961	-22.084	1.80	44.10254	8.2	...	6.950	+57.881	0.95	43.9652	9.6	...	51.916	+ 9.779	- 5
...	48.860	-58.058	- 1	45.10323	9.4	...	8.246	-24.740	1.05	44.10261	8.7	S*	52.818	- 8.540	1.25	44.10274	8.6
...	48.825	+44.537	- 5	...	...	...	8.698	-58.235	- 5	...	...	52.905	-56.329	- 4	45.10343	9.6
II						51					91						
...	-48.159	+41.185	- 5	S*	+ 9.323	-48.553	1.70	44.10262	8.2	...	+53.711	-18.191	- 1
...	48.090	- 6.198	0.85	44.10255	9.4	...	10.917	-15.862	0.80	44.10263	9.6	...	54.948	+45.550	- 5
...	46.665	-21.980	0.85	44.10256	9.4	S*	11.094	+56.441	1.90	43.9653	8.0	...	58.265	-21.396	0.80	44.10275	9.6
...	44.422	+11.212	- 5	...	...	...	12.232	-52.672	- 1	...	...				
...	43.468	-54.880	- 5	...	...	S*	14.116	-25.377	1.60	44.10264	8.3					
...	-42.278	+56.428	- 4	43.9645	9.6	...	+14.163	+24.716	0.65	43.9654	9.6						
...	41.406	+33.483	- 5	...	...	*	15.075	- 7.998	2.00	44.10265	8.2					
...	41.166	-25.550	- 3	...	...	...	15.282	+43.723	- 5	...	...				
...	40.627	- 5.127	- 5	...	...	...	15.904	+ 9.552	0.65	43.9655	9.6					
...	40.034	+24.062	- 4	...	...	...	16.740	+11.116	0.65	...	...				
21						61											
...	-37.874	+26.410	- 4	...	...	...	+17.375	-35.292	- 4	...	...				
...	37.087	+ 3.289	- 5	...	...	...	17.557	+19.284	0.95	43.9656	9.6					
*	36.720	-36.865	1.10	44.10257	8.9	...	19.836	- 4.951	- 3.	...	...				
...	36.141	-23.174	- 4	...	...	S*	20.657	+35.113	1.10	43.9657	8.8					
...	35.748	+35.084	0.80	43.9646	9.2	...	21.968	+ 5.816	1.05	44.10266	8.8						
S*	-34.278	+17.458	1.60	43.9647	8.3	*	+22.419	+46.748	1.30	43.9658	8.9						
S*	33.665	-46.489	3.00	44.10258	7.0	...	24.287	-47.089	1.00	44.10267	9.2						
...	31.633	+ 6.619	- 5	...	...	...	27.010	+33.871	- 2	...	...				
...	31.012	+ 3.486	- 5	...	...	...	28.964	-37.541	0.85	44.10269	9.5					
...	30.695	-29.282	- 5	...	...	...	29.188	+ 1.452	2.80	44.10268	7.2					
31						71											
...	-29.655	+16.571	- 3	...	...	...	+33.247	+ 50.453	1.00	43.9660	9.4					
...	26.309	-21.470	- 1	...	...	...	35.431	+52.897	- 5	a	...					
...	25.923	+ 8.404	- 2	...	...	α*	35.604	+ 0.394	1.20	44.10270	8.8					
...	25.472	+35.779	- 5	...	...	...	36.240	-32.327	0.80	44.10271	9.5					
...	24.237	+15.712	- 2	...	...	...	39.283	-12.844	- 3	...	...				
...	-23.247	-39.098	- 5	...	...	...	+42.083	+11.296	- 1	...	...				
S*	20.092	-37.987	1.60	44.10259	8.2	S*	42.877	-57.410	2.80	45.10341	7.6						
*	19.084	+58.943	1.00	43.9648	9.2	...	44.375	+38.495	0.70	43.9661	9.6						
*	18.470	+59.897	1.20	43.9649	8.8	...	45.021	+10.832	0.80	43.9662	9.6						
...	13.834	-47.772	- 4	...	...	...	45.094	+14.676	0.65	...	...				

§ 10^m.8 = D, -5.

NM measured from 1.
ES 46.

1-10						11-20						21-30					
I						II						21					
...	-60.003	+17.116	- 5	M	...	...	-57.508	+37.917	- 3	B	...	...	-54.565	+52.439	- 1	A	...
...	59.808	+32.665	- 5	M	...	...	57.286	+44.928	- 5	M	...	...	54.360	+45.561	- 1	...	...
...	59.808	-34.427	- 5	...	...	...	56.954	-16.872	- 3	...	...	...	54.297	+ 1.957	- 4	M	...
...	59.623	-30.127	- 5	M	...	...	56.297	+ 9.691	- 1	...	...	...	53.673	- 9.954	- 5	M	...
...	59.120	-43.689	- 1	...	...	...	56.257	- 3.074	- 5	M	...	...	53.670	-18.205	0.85	...	...
...	-58.585	- 6.534	- 4	...	...	*	-55.829	-34.877	1.15	44.10272	9.1	...	-53.303	-56.348	0.90	45.10343	9.6
...	58.311	+33.617	- 1	...	...	...	55.762	-18.388	- 1	...	...	...	53.201	-24.887	- 5	M	...
...	58.202	+ 4.952	- 3	B	...	...	55.513	-38.222	0.85	44.10273	9.6	...	51.995	-29.030	- 5	M	...
...	57.963	-16.567	- 5	...	...	S*	54.849	- 8.577	1.25	44.10274	8.6	...	51.180	-56.501	- 3	...	...
...	57.955	-12.059	- 1	...	...	...	54.593	+52.601	- 3	B	...	...	50.869	- 7.633	- 4	M	...

MC measured from 1. 153
ES 79. 229.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-90						91-150						151-210					
31	-50.610	+ 4.675	- 5	M	...	91	-25.605	-31.998	- 5	M	...	151	- 1.447	-22.436	0.90	44.10282	9.6
...	49.482	-17.799	- 3	...	...	...	25.091	+44.206	1.15	43.9668	9.2	...	1.429	-16.457	- 5	m	...
*	49.004	-21.270	1.00	44.10275	9.6	...	25.029	+57.253	0.85	...	...	...	0.039	-31.972	- 4	M m	...
...	47.829	+29.950	- 1	...	...	...	24.480	+31.371	1.30	43.9669	9.1	...	+ 1.002	-52.211	- 4	m	...
...	47.388	- 5.249	- 4	M	...	...	24.276	+53.258	- 2	A	...	...	1.123	- 7.478	- 3	...	...
...	-46.751	+31.176	- 4	M	...	...	-23.893	-31.918	0.70	...	...	...	+ 1.229	-35.942	- 4	M m	...
S *	46.740	+22.807	1.20	43.9664	8.8	...	23.866	-38.513	- 3	...	...	...	1.734	+47.893	- 5	M m	...
...	46.509	- 9.859	- 5	M	...	...	23.607	- 7.089	- 2	...	...	...	2.103	-49.496	- 4	M	...
*	46.437	-46.386	1.00	44.10276	9.4	...	23.106	-13.678	- 5	M	...	S *	2.353	+54.848	2.90	43.9677	7.1
...	46.383	-44.819	- 1	...	...	...	22.680	+40.180	- 5	M	...	*	2.567	+42.381	1.10	43.9678	9.2
41	-46.366	+19.225	1.00	43.9665	9.2	101	-21.986	+54.474	- 5	M	...	161	+ 3.000	-21.958	- 4	M m	...
*	45.570	+ 4.894	- 3	B	...	...	21.721	+58.615	- 5	M	...	...	* 3.590	- 9.083	1.40	44.10283	9.2
...	45.390	+45.748	- 4	M	...	...	21.583	-48.809	0.85	...	...	...	3.609	-50.718	- 5	M m	...
...	45.134	+28.309	- 4	M	...	...	21.173	-19.422	- 5	...	...	S *	4.190	+19.316	2.15	43.9679	8.0
*	44.889	-22.020	1.10	44.10277	9.2	...	21.141	+60.035	- 5	M	...	...	4.429	+38.918	- 5	M m	...
...	-43.482	-12.847	0.70	...	...	...	-20.957	-19.814	- 4	...	...	...	+ 4.682	-40.172	0.80	...	...
...	43.391	-38.942	- 3	...	...	...	19.474	-52.117	0.80	45.10358	9.6	...	4.938	+21.813	- 3	M b	...
...	42.961	+53.220	- 4	M	...	...	19.025	-19.629	- 4	...	...	...	5.080	+20.101	- 4	M m	...
...	42.225	-17.385	0.65	...	...	...	18.994	-18.818	- 5	M	...	...	5.291	-27.983	- 5	M	...
...	41.763	+53.175	- 5	M	...	...	18.293	+55.917	0.90	...	...	...	5.852	-21.999	- 3	...	...
51	-41.683	-28.029	- 4	M	...	111	-17.855	+31.999	- 3	A	...	171	+ 6.037	+ 7.844	- 2	...	...
...	41.297	+12.768	- 2	A	...	...	17.499	+ 0.425	- 5	M	...	...	6.633	-38.216	- 4	...	...
...	40.879	-18.571	- 5	M	...	...	17.436	-52.140	- 3	...	...	*	6.855	+50.838	0.90	...	...
...	40.691	+ 5.812	- 1	...	...	...	16.054	-17.284	- 3	...	...	...	6.857	+15.143	- 5	m	...
...	40.099	+19.381	- 4	M	...	...	15.797	+27.378	1.25	43.9671	9.2	...	6.925	+ 6.649	- 1	44.10284	9.6
...	-39.093	+51.047	- 4	M	...	...	-15.706	-46.088	- 2	...	...	...	+ 6.945	-11.750	- 4	...	...
...	38.836	- 5.685	- 5	M	...	...	15.319	-31.428	0.75	44.10279	9.6	...	7.430	+20.424	0.65	...	...
...	38.585	+47.002	- 3	B	...	...	13.890	+15.983	- 5	M	...	...	7.480	-56.792	- 5	m	...
...	37.853	-43.338	0.90	...	...	...	12.643	+24.513	0.90	43.9672	9.6	...	7.557	+26.341	- 4	m	...
...	37.761	+52.476	- 5	M	...	...	10.931	+32.418	0.70	...	...	...	8.107	-41.003	0.65	...	...
61	-37.653	+52.869	- 4	M	...	121	- 9.693	-41.467	- 5	...	...	181	+ 8.151	+ 9.741	1.20	43.9680	9.2
...	37.599	+23.988	- 2	...	...	...	9.662	- 1.213	- 5	M	...	...	8.579	-46.037	- 5	m	...
...	37.596	-33.098	0.65	...	...	...	9.332	+26.637	- 5	M	...	...	9.180	+25.934	0.85	43.9681	9.6
N	37.556	+23.495	0.80	...	...	...	9.078	-23.883	- 5	M	...	...	9.343	-47.086	- 4	m	...
...	37.411	+34.227	- 3	A	...	...	8.655	- 4.445	- 4	...	...	...	10.149	+47.469	- 2	...	...
...	-37.270	-26.335	0.65	...	...	...	- 8.637	-57.402	- 4	...	...	...	+10.421	+60.023	0.80	...	...
...	36.039	-51.296	- 3	...	...	...	8.507	+42.410	- 4	M	...	*	10.882	+35.044	1.00	43.9682	9.4
...	35.327	+40.619	1.50	...	...	...	8.347	+19.618	- 5	M	...	...	11.344	-44.214	- 5	m	...
S *	35.084	+40.693	2.15	43.9666	7.5	...	8.146	-42.018	- 5	M	...	...	11.997	-11.213	- 3	...	...
...	34.404	+32.685	0.65	...	...	...	7.975	+52.647	- 5	M	...	...	12.243	- 1.958	- 5	m	...
71	-33.924	-39.250	- 5	M	...	131	- 7.959	+54.680	1.00	43.9673	9.6	191	+13.026	+16.521	- 4	m	...
...	32.424	- 2.646	- 1	...	...	...	7.614	-28.001	- 2	...	...	...	13.596	- 1.914	- 5	m	...
...	32.152	-21.796	- 5	...	...	...	6.400	+15.031	- 5	M	...	...	14.879	- 2.223	- 2	...	...
...	32.109	-56.264	0.90	...	...	...	6.350	- 9.045	- 5	M	...	...	14.930	-24.679	- 5	m	...
...	31.997	- 4.775	- 4	M	...	...	6.181	+34.541	1.25	43.9674	9.2	...	15.665	-47.529	0.75	...	...
...	-31.662	- 5.918	- 2	...	...	...	- 6.171	-29.304	0.70	...	...	...	+15.928	-12.596	- 2	...	...
...	31.527	-35.683	- 2	...	...	...	6.124	-41.046	0.70	...	...	...	16.374	-13.097	- 5	m	...
...	31.345	-21.159	- 5	M	...	...	6.061	-55.353	- 5	M m	...	...	16.612	+59.043	- 5	m	...
*	29.617	+ 4.017	1.05	44.10278	9.4	...	5.527	+16.417	- 5	M m	...	...	17.071	-31.602	- 3	...	...
...	28.996	+48.783	- 5	M	...	...	4.872	+35.478	1.15	43.9675	9.2	...	17.321	-39.887	- 3	...	...
81	-28.805	-21.840	- 1	...	...	141	- 4.597	+ 1.375	1.30	44.10280	9.2	201	+17.493	+38.373	- 4	m	...
*	28.322	+46.336	1.00	43.9667	9.4	...	4.027	+33.622	- 2	...	...	...	17.504	- 4.189	- 3	...	...
...	28.048	+31.490	- 5	M	...	...	3.678	+30.366	- 2	...	...	...	17.538	-59.128	- 4	...	...
...	27.961	+53.499	- 3	B	...	...	3.574	+57.000	- 3	B m	...	*	17.960	-47.467	0.90	44.10285	9.6
...	27.819	-51.202	- 5	M	...	S *	3.457	+34.995	2.05	43.9676	8.0	...	18.485	-56.510	0.70	...	...
...	-27.730	-35.684	- 3	...	...	...	- 3.413	-52.689	- 5	m	...	...	+18.820	+53.505	- 4	m	...
...	27.452	-53.847	- 5	M	...	...	3.239	+57.162	- 4	M	...	...	18.893	+43.655	- 4	m	...
...	27.101	+17.697	- 4	M	...	...	2.843	-31.029	- 5	M m	...	...	19.806	+23.328	0.65	...	...
...	26.768	-20.245	- 5	M	...	...	2.119	+40.098	- 5	M m	...	...	21.256	+24.666	- 4	m	...
...	25.871	+26.233	0.65	...	...	S *	1.985	-11.468	1.70	44.10281	8.5	...	21.464	+36.184	- 3	...	...

64. Obscures 2nd image of 62.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
211-240						241-270						271-289						
211	...	...	...	...	...	241	...	...	...	...	...	271	...	...	...	...	...
...	+21.592	-32.183	0.90	...	...	...	+34.555	-14.355	-4	...	...	...	+46.650	-59.068	-1	...	...
*	21.963	+38.209	1.10	43.9683	9.2	...	34.695	+39.919	-5	m	...	...	...	47.009	-9.177	-2	...	...
...	22.428	+59.237	-3	...	...	S *	35.341	-28.432	1.65	44.10288	8.4	...	...	47.230	+50.814	0.75	...	...
...	22.522	+31.605	-2	...	...	†	35.632	+15.432	-1	...	...	S +	47.341	-4.529	1.05	44.10290	9.2	...
...	22.663	+11.728	-5	m	...	...	36.019	+10.283	-5	m	...	*	48.376	+46.476	1.20	43.9686	9.3	...
...	+22.752	-20.258	-3	...	...	...	+36.135	+22.334	-3	...	...	...	+50.993	+53.332	-1	...	...	...
*	23.463	-9.635	1.00	44.10286	9.5	...	36.583	+25.470	-2	...	...	...	51.373	-12.755	-5	m	...	...
...	25.793	-49.184	-5	m	...	...	36.622	+37.280	-4	...	...	...	52.123	+1.231	-5	e	...	...
...	25.805	+32.427	-5	m	...	...	36.678	-51.158	-3	...	...	...	52.202	-4.621	0.65	...	...	...
...	26.038	+1.079	-4	m	...	...	37.464	+55.483	-5	m	...	...	52.761	+3.307	-5	m	...	...
221	...	...	...	...	...	251	...	...	...	...	...	281	...	...	...	...	...	...
...	+26.134	-10.751	-5	m	...	*	+37.864	-36.191	1.05	44.10289	9.5	*	+52.865	+38.488	1.30	43.9687	9.2	...
...	26.515	+32.851	-4	m	...	...	38.105	-29.066	-2	...	...	N	53.869	-10.139	-4	...	...	...
...	27.055	+4.962	-2	...	...	...	38.113	-10.445	-5	m	...	...	54.188	+37.627	-3	e	...	...
*	27.187	-1.675	1.00	44.10287	9.6	...	38.372	-47.817	-2	...	...	...	55.276	-26.687	0.90	44.10291	9.6	...
...	27.478	+3.769	-4	m	...	...	38.515	-39.939	0.70	...	...	...	55.884	+42.938	-4	e	...	...
...	+28.435	-0.990	-5	m	...	...	+40.011	+29.993	-5	m	...	...	+58.039	+6.551	-2	e	...	...
...	28.520	+10.768	-5	m	...	...	40.151	+34.700	-4	b	...	...	* 58.165	-49.071	1.15	...	...	...
...	28.610	-32.268	-5	m	...	...	40.835	+52.500	-1	...	...	...	58.428	+15.147	-5	e	...	...
†	29.767	-48.062	0.75	...	...	...	41.016	-25.131	-3	...	...	...	59.182	+59.309	1.35	43.9688	9.6	...
...	30.749	-42.925	-5	m	...	...	41.079	-20.635	-4	...	...	...	...	...	...	...	...	...
231	...	...	...	...	...	261	...	...	...	...	...	...	...	...	...	...	...	...
*	+30.956	+34.973	1.20	43.9684	9.5	...	+41.346	+57.569	-4	b	...	...	...	...	...	...	...	...
...	31.024	-38.523	-4	...	...	...	43.126	+14.040	-4	m	...	...	...	...	...	...	...	...
...	31.159	+20.153	-5	m	...	...	44.182	+12.029	-4	m	...	...	...	...	...	...	...	...
...	31.900	+8.762	-4	m	...	...	44.273	+54.335	-5	m	...	...	...	...	...	...	...	...
*	32.048	-53.145	0.90	45.10370	9.6	...	44.963	+59.091	-5	m	...	...	...	...	...	...	...	...
...	+32.562	+19.298	-3	...	...	...	+45.168	+50.036	-3	...	...	...	...	...	...	...	...	...
...	32.779	+41.451	-4	b	...	...	45.635	-10.372	-3	...	...	...	...	...	...	...	...	...
...	33.585	-43.899	-2	...	...	...	45.765	+40.701	-5	m	...	...	...	...	...	...	...	...
...	34.082	-47.422	0.70	...	...	...	45.964	+35.533	-1	...	...	...	...	...	...	...	...	...
...	34.460	+28.420	0.85	43.9685	9.6	...	46.242	-34.128	-4	...	...	...	...	...	...	...	...	...

282. Image defective.

1-20						21-40						41-60					
I	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
...	-58.544	+53.204	-4	...	...	21	...	...	...	...	...	41	...	...	...	...
*	56.232	+38.418	1.20	43.9687	9.2	...	-42.402	+23.464	-5	M	...	...	...	-33.198	+21.113	0.70	...
...	55.848	+1.159	-5	E	...	...	42.206	+37.644	0.65	...	...	...	...	33.175	-14.899	-5	M
...	55.592	-4.700	-2	...	...	...	40.278	-32.137	0.65	...	...	...	...	32.001	-47.776	-5	M
...	54.892	+37.604	-4	E	...	...	39.727	+20.798	-5	M	...	...	...	31.591	-17.058	-3	...
...	-53.760	+10.149	-4	...	...	...	39.210	+50.336	0.70	...	...	...	...	31.092	+16.713	-2	...
...	53.351	+42.969	-5	E	...	...	-38.398	-37.226	-4	...	...	...	...	-30.646	-26.702	-3	...
...	51.855	-26.655	0.65	44.10291	9.6	...	38.106	+24.760	-5	M	...	...	...	30.281	+19.896	-5	M
...	50.563	+59.435	0.85	43.9688	9.6	S *	38.052	+18.036	0.70	...	...	...	...	29.794	+21.322	-5	M
...	50.098	+6.656	-4	E	...	...	37.659	-49.169	1.25	44.10293	8.4	...	...	29.203	-33.173	0.70	...
II	...	...	...	...	...	31	37.421	-13.746	-5	...	...	...	...	28.769	-29.069	-5	...
...	-49.983	+15.253	-5	E	...	...	...	...	...	...	...	...	...	...	...	...	...
...	48.297	+33.589	-5	M	...	...	-37.153	+48.054	0.65	...	...	...	...	28.672	-39.946	-5	M
...	48.292	-48.929	0.90	...	...	...	37.104	+29.520	0.65	...	...	...	...	28.202	-25.809	-5	M
...	47.293	-25.875	-4	...	...	...	37.103	-25.096	0.65	...	...	...	...	27.702	+7.344	-1	...
...	47.126	+40.346	-1	...	...	...	36.934	-27.468	-2	...	...	...	...	27.274	-38.583	2	...
...	-46.076	+22.686	-5	M	...	...	36.782	+24.602	-5	M	...	...	...	27.083	+28.180	-5	M
...	44.716	+6.593	-5	M	...	...	-36.174	+19.322	-3	...	...	...	...	* 26.823	+34.904	0.80	43.9693
...	44.627	-27.026	-3	...	...	...	34.859	-0.749	-5	...	...	...	...	25.973	-33.802	3	...
...	44.269	+26.146	-3	A	...	*	34.820	+23.401	0.95	43.9690	9.4	...	...	24.151	-46.281	-5	...
*	42.480	-6.904	1.00	44.10292	9.2	†	34.211	+40.024	0.95	43.9691	9.2	S *	23.741	+23.136	2.20	43.9694	
...	...	...	...	...	...	*	33.376	-58.328	1.10	43.9692	9.2	...	...	23.282	-27.240	-5	...

ES measured from 1.
MC 92.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
61-110						111-160						161-209						
61	-21.480	+0.645	-5	M	...	111	+10.325	-1.021	-1	...	...	161	+32.250	+26.505	0.85	43.9704	9.6	
...	20.917	-45.136	-4	...	...	...	10.813	+49.476	0.90	43.9700	9.6	...	32.773	+6.950	-4	...	...
...	18.757	-52.733	-5	...	...	...	10.971	-2.621	2.70	44.10295	7.1	...	33.476	-33.776	-5	...	...
...	18.693	-0.624	-5	...	...	...	11.093	-12.578	-5	...	...	...	33.583	-21.371	-4	...	...
...	17.783	-33.650	-5	...	...	...	11.188	+4.856	0.90	44.10296	9.6	S *	33.937	+18.580	1.00	43.9705	8.8	
...	-17.781	+58.484	-4	...	...	...	+12.137	-22.619	-5	m	...	...	+36.275	-10.301	-4	...	...
...	17.541	-34.042	-5	...	...	...	12.688	+39.952	-4	...	...	...	36.424	-34.587	-4	...	...
*	17.324	+29.142	0.85	43.9695	9.3	...	13.023	-11.739	-3	...	...	...	* 36.571	+55.332	1.00	43.9707	9.2	
...	17.286	+33.375	-5	M	...	S *	13.418	-3.643	6.20	44.10297	5.6	...	...	36.980	-44.258	-3	...	...
...	17.079	-11.694	-4	...	...	...	14.245	-27.055	-4	...	...	...	...	37.852	-30.886	0.65	...	...
71	-16.977	-44.194	-2	...	...	121	+14.335	+56.017	-4	...	...	171	+39.293	-12.813	-2	...	...
...	14.825	-28.402	-5	M	...	...	15.270	+11.391	-3	...	...	...	* 39.868	-18.017	0.90	44.10304	9.5	
...	14.476	+3.888	-5	M	...	*	15.790	-26.331	0.90	44.10298	9.6	...	...	40.180	-3.354	-3	...	...
...	14.415	+50.092	-5	M	...	...	16.264	-48.466	-4	...	...	...	...	40.539	-59.321	-1	...	...
...	13.068	-51.292	-4	...	...	...	16.343	+52.690	-4	...	...	...	...	40.721	+12.437	-4	...	...
...	-12.708	+17.076	-2	...	...	...	+16.430	-20.828	-3	...	...	...	...	+41.257	-29.729	-4	...	...
...	9.030	+43.858	-5	M	...	...	16.465	+50.992	-3	...	...	...	...	41.313	+53.576	-3	...	...
...	6.996	+36.118	-3	...	...	...	17.001	-26.195	-5	m	...	...	...	41.978	+31.843	-4	...	...
...	6.814	-28.518	-2	...	...	...	17.194	-2.694	-5	m	...	...	...	42.072	+47.091	-4	...	...
S *	6.168	+26.085	2.00	43.9696	7.8	...	17.792	+39.448	-5	m	...	...	...	43.683	-7.117	-5	m	...
81	-5.745	-58.095	0.65	...	...	131	+17.909	-30.284	-4	...	...	181	+43.962	+53.222	1.00	43.9708	9.4	
...	5.159	-20.287	-5	...	...	...	18.338	+33.318	-3	...	...	...	...	44.270	-46.435	0.75	...	...
...	4.743	-5.420	-3	...	...	...	18.353	+2.361	-1	...	...	...	...	44.926	+9.043	-5	...	...
S *	4.416	-43.903	1.00	44.10294	8.9	...	18.410	-8.461	-4	a	...	...	...	45.294	+31.091	-4	...	...
...	4.361	+52.664	-4	M	...	...	18.887	+53.423	-4	...	...	...	...	45.494	+3.264	0.65	...	...
...	-4.252	-45.385	-5	m	...	...	+18.946	+20.607	-3	...	...	...	...	+46.751	-31.659	0.65	...	...
...	4.148	+49.993	-4	M	...	*	19.983	+29.087	1.20	43.9701	8.4	...	...	47.006	-55.583	-1	...	...
...	3.493	+10.819	-3	M	...	*	20.271	+6.992	0.90	44.10299	9.5	S *	47.964	+35.522	3.30	43.9709	6.5	
...	3.195	+48.628	-4	M	...	S *	20.801	-27.747	1.20	44.10300	8.4	*	48.494	+16.663	0.95	43.9710	9.3	
...	3.050	+5.528	-4	M	...	...	22.721	-5.323	-3	...	...	...	...	48.699	-34.794	-3	...	...
91	-0.605	-25.980	-3	...	...	141	+23.232	+18.086	-5	m	...	191	+49.150	+12.609	-5	e	...	
...	-0.052	+50.742	-5	M m	...	...	23.585	-46.543	-3	...	...	...	...	49.688	+11.942	-1	...	...
...	+0.251	+36.093	-3	M	...	...	25.248	+20.246	-4	...	...	...	...	50.407	-50.723	-4	...	...
S *	0.807	+22.914	2.30	43.9697	7.6	...	25.803	+9.491	-5	...	...	...	...	50.414	-13.514	-4	...	...
...	1.010	-12.657	-5	M m	...	...	25.867	+9.640	-3	...	...	...	...	51.543	+41.876	2.00	43.9711	7.4
...	+1.069	+55.078	-2	...	...	...	+26.324	-10.067	-5	...	...	...	...	+51.581	-13.981	-3	...	...
...	3.064	+36.370	-5	M	...	...	26.519	-30.787	0.70	...	...	...	...	52.219	+33.855	-5	e	...
...	3.191	-57.771	-2	...	...	...	26.819	+11.904	-4	...	...	...	...	52.531	+36.878	0.90	43.9713	9.5
*	3.242	+31.008	1.40	43.9698	8.8	...	27.256	+49.516	-4	...	...	...	...	53.292	+12.768	-4	b	...
...	3.688	-42.876	-2	...	...	...	27.486	-30.361	0.75	44.10301	9.5	...	...	53.496	+20.203	-4	...	...
101	+3.798	+53.718	-4	M	...	151	+27.734	-59.025	-3	...	...	201	+53.506	+10.470	-5	m	...	
...	4.113	-8.482	-5	M m	...	*	28.315	+20.966	0.90	43.9702	9.4	...	...	53.629	-37.521	-4	...	...
...	4.572	-19.840	-5	...	...	...	28.451	+23.244	-4	...	...	...	...	54.099	+28.627	-3	...	...
*	5.377	+55.154	0.90	43.9699	9.5	...	28.676	+55.186	-5	m	...	...	...	54.741	-9.345	-4	...	...
...	6.569	-33.357	-3	...	...	...	29.497	-52.984	-3	...	...	...	...	56.292	-38.567	-2	...	...
...	+6.688	+38.338	-5	...	...	*	+30.675	+19.172	0.95	43.9703	9.2	S *	+58.031	-11.891	1.00	44.10305	8.9	
...	7.483	+44.552	-5	m	...	*	31.315	-16.115	1.00	44.10302	9.3	...	...	58.442	+28.572	-5	...	...
...	9.188	-52.185	-4	...	...	...	31.511	+15.537	-3	...	...	...	...	58.575	+28.789	-5	...	...
...	10.027	+28.580	-4	...	...	...	31.790	-17.631	-4	...	...	...	...	59.360	+12.354	0.95	43.9714	9.4
...	10.274	+23.438	-1	...	...	*	32.035	-44.831	1.00	44.10303	9.0	*	...	...	...	...	...

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
1-60						61-120						121-180						
1	-59.930	+16.478	0.95	43.9710	9.3	61	-26.435	+5.685	0.80	44.10309	9.5	121	+5.104	-55.119	-4	...	...
...	59.210	-55.776	-1	...	...	...	25.501	-9.939	-2	...	...	...	5.239	+37.579	0.90	43.9725	9.5	
...	59.158	+12.449	-5	E	...	...	24.282	+44.901	0.70	...	...	...	6.152	+9.277	-5	m	...	
...	58.594	+11.796	-2	...	...	...	24.264	-46.910	0.70	...	...	...	6.910	-44.484	-4	...	...
...	58.592	-20.918	-5	M	...	...	24.103	+18.018	-5	...	...	...	6.987	+52.212	-5	m	...	
...	-58.167	-34.953	-5	...	...	S*	-24.035	+40.223	1.15	43.9718	8.4	...	+7.147	+50.512	-4	m	...	
...	57.642	+41.769	2.00	43.9711	7.4	...	23.934	-10.949	-5	...	...	...	7.458	-19.573	-4	...	...
...	57.089	-13.627	-3	...	...	...	23.756	-45.383	0.80	44.10310	9.6	...	7.688	-48.000	-5	...	...
...	56.723	+33.770	-5	E	...	...	23.726	-33.081	-5	M	...	...	8.303	-35.485	-4	...	...
...	56.508	+36.816	0.90	43.9713	9.5	...	23.102	-28.495	-2	...	...	...	9.419	-48.145	-5	...	...
11	-55.971	-50.812	-4	...	...	71	-22.590	+4.930	-4	...	...	131	+9.592	+46.051	-3	...	...
...	55.920	-14.049	-3	...	...	...	22.113	-42.332	-5	M	...	...	9.730	-46.392	-1	...	...
...	55.055	+20.181	-4	...	...	...	21.253	+1.029	-4	...	...	...	11.435	-51.194	-5	...	...
...	54.700	+28.599	-3	...	...	...	19.199	+31.805	-5	...	...	...	11.914	+20.597	-5	b	...	
...	52.898	-9.336	-3	...	...	...	18.623	+15.668	-5	...	...	...	12.668	-40.209	-1	...	...
...	-50.456	-38.494	-2	...	...	...	-18.215	+52.974	-3	...	...	...	* +14.219	+11.901	0.80	43.9726	9.6	
...	50.371	+28.682	-4	...	...	...	17.698	-21.565	-5	M	...	...	...	14.362	-15.280	-3	...	...
...	50.235	+28.910	-4	...	...	...	17.276	-31.148	-3	...	...	...	* 14.724	-55.857	1.00	45.10409	9.5	
S*	49.530	-11.779	1.00	44.10305	8.9	...	16.256	-35.898	0.65	...	...	...	...	14.769	-49.546	-3	...	...
...	48.936	+12.498	1.00	43.9714	9.4	...	15.202	+35.052	0.80	43.9719	9.6	...	...	14.797	-34.689	-1	...	...
21	-48.779	+42.338	-4	...	...	81	-14.750	+17.751	-5	M	...	141	+14.851	+21.199	-4	...	...
...	48.647	+19.762	-5	M	...	...	14.658	+22.501	-4	...	...	...	...	15.393	+17.292	-4	m	...
...	48.420	+22.481	-1	...	...	...	14.017	+41.453	-4	...	...	...	...	15.761	-8.100	-2	...	...
...	46.797	+8.171	-5	M	...	...	13.618	+24.228	-5	...	...	...	...	18.575	+49.923	-2	a	...
...	46.571	+8.365	-3	...	...	...	12.529	+45.056	-5	...	...	...	...	20.581	+28.776	-3	a	...
...	-46.327	-9.588	-4	M	...	...	-12.304	+29.154	-5	M	...	...	...	-22.391	+35.208	-5	m	...
S*	46.124	+28.473	1.00	43.9715	8.6	...	11.612	+28.507	-5	...	...	...	...	23.600	-10.097	-3	...	...
...	46.080	-55.145	-1	...	...	...	11.128	-43.145	-4	...	...	...	...	23.809	+32.608	-3	b	...
...	46.076	-43.741	-5	M	...	...	9.983	-2.226	-5	...	...	...	...	23.843	-50.328	0.75	...	...
...	45.886	-45.670	-5	M	...	S*	9.291	-17.306	1.25	44.10311	8.4	151	...	23.892	-26.790	-5	...	...
31	-45.758	+5.607	-2	...	...	91	-8.132	-36.272	-3	...	...	...	...	+24.345	+28.351	-3	a	...
...	44.751	+25.662	-4	...	...	...	8.041	-16.257	0.85	44.10312	9.5	...	...	25.832	+7.387	-4	m	...
...	44.734	-36.743	-4	...	...	...	7.578	+14.668	-4	...	...	...	...	26.283	+9.617	-5	m	...
...	44.154	-41.974	0.65	...	...	...	6.873	+8.553	-3	...	...	...	...	26.292	+34.005	-5	m	...
...	44.072	-0.265	-4	M	...	...	6.592	+43.285	1.50	43.9720	8.0	...	...	26.388	-20.095	-3	...	...
...	-43.501	+47.912	-2	...	...	...	-6.256	+9.371	1.10	43.9721	8.9	...	...	+26.536	+46.044	-5	m	...
...	43.215	+43.794	-3	...	...	...	5.564	+36.058	-5	...	...	...	...	26.882	+16.922	0.65	...	...
...	43.097	-21.771	0.65	...	...	...	5.227	-8.556	-2	m	...	...	...	27.051	-52.825	0.65	...	...
...	42.885	-8.666	0.85	...	...	...	4.881	+39.676	-2	...	...	...	...	28.757	+10.519	-5	m	...
...	42.794	-29.974	-4	...	...	...	4.877	-25.031	-4	...	...	...	...	30.346	-21.703	-2	...	...
41	-42.587	-50.953	1.00	44.10306	9.0	101	-3.322	+11.530	1.20	43.9722	8.4	161	...	+30.380	+36.700	0.70	...	...
...	41.913	+26.374	-2	...	...	S*	2.924	+39.758	-3	m	...	...	...	32.147	+35.156	-2	...	...
...	40.913	+19.957	0.90	43.9716	9.4	...	2.215	+25.002	-4	m	...	...	...	33.050	-48.940	-5	...	...
...	40.687	+12.302	-4	A	...	...	1.030	-8.831	2.20	44.10313	7.9	...	...	34.867	+30.576	-4	b	...
...	39.157	-52.005	-4	...	...	...	0.886	-58.711	-5	...	...	...	...	35.957	+16.039	-5	m	...
S*	-37.960	-32.102	2.10	44.10307	7.4	...	-0.039	+28.634	-5	m	...	S*	+36.566	-45.013	0.90	44.10315	9.6	
...	37.171	+31.406	0.85	43.9717	9.6	...	+0.181	+32.617	-2	...	...	...	...	37.111	+51.271	0.85	43.9728	9.5
...	36.195	-27.156	-4	M	...	...	0.329	+56.803	-1	...	...	...	...	37.953	+37.430	-3	...	...
...	36.118	+23.360	0.80	...	...	...	0.974	-51.177	0.65	...	...	...	...	* 38.307	+16.412	1.10	43.9729	9.0
...	35.851	+1.960	-4	...	...	...	1.440	-26.032	0.90	44.10314	9.5	...	...	38.557	+26.920	0.65	...	...
51	-34.925	+28.923	-1	...	...	111	+1.491	+45.871	1.00	43.9723	9.0	171	+39.197	+50.775	-5	m	...	
...	33.504	-26.016	0.70	...	...	...	1.520	-15.264	-5	M m	...	...	...	41.483	+16.572	-2	...	...
...	33.024	-57.792	1.00	45.10398	9.2	...	1.768	+48.263	-5	m	...	...	...	44.799	-7.684	-2	...	...
...	32.229	+31.473	-4	...	...	...	2.092	+25.736	-5	M m	...	...	...	45.874	-10.300	-3	...	...
...	32.152	-28.182	-4	M	...	...	2.610	+52.070	1.20	43.9724	8.8	...	...	46.090	+10.667	-5	m	...
...	-29.854	+32.481	-5	M	...	...	+2.641	-38.769	-5	M m	...	...	...	+46.740	-22.765	0.70	...	...
...	29.411	+36.669	-5	...	...	...	2.984	+20.638	-2	m	...	...	...	47.007	-54.023	-5	m	...
...	27.794	-36.430	1.25	44.10308	8.4	...	3.723	+49.292	-4	m	...	...	...	48.198	-20.300	-4	...	...
...	27.566	-44.737	-5	...	...	...	4.170	-3.601	-4	M m	...	...	...	48.331	-16.046	-4	m	...
...	27.113	-4.800	-4	...	...	...	4.696	-32.877	-4	...	...	...	...	48.721	+14.826	-2	...	...

MC measured from 1, 106.
ES " " " 50, 160.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
181-190						191-193												
181				°		191				°								
...	+49.937	-33.246	-5	m	...	...	+56.765	-24.765	-4	...	...	...	+36.841	-19.496	1.60	44.10328	8.8	
...	50.752	-37.134	-2	...	...	...	58.001	+26.510	-5	m	...	...	...	+38.175	+6.247	-4	...	...
...	51.134	-16.790	-5	m	...	...	59.456	+17.342	-4	m	...	...	...	38.651	-10.029	0.70	...	...
...	51.461	-54.782	-5	...	...	...					...	...	...	39.017	+52.571	-5	...	...
...	51.790	-5.837	-2	...	...	...					...	...	...	39.230	+33.634	0.75	...	...
S*	+53.138	+17.825	1.85	43.9730	7.6	...					...	...	...	+42.383	-40.335	-5	...	...
...	53.205	+5.659	-4	m	...	...					...	...	...	45.201	-21.184	0.70	...	...
...	53.929	+5.387	-5	m	...	...					...	...	...	46.630	+3.697	-4	...	...
...	53.934	-38.613	-2	...	...	...					...	...	...	49.245	-46.111	0.95	44.10329	9.9
S*	56.056	-24.053	1.00	44.10316	8.9	...					...	...	...	50.930	+28.154	0.70	43.9748	9.9

1-40						41-80						81-100						
I	Co-ordinates.		Diam.	C.P.D.		I	Co-ordinates.		Diam.	C.P.D.		I	Co-ordinates.		Diam.	C.P.D.		
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.	
...	-59.654	+14.652	-3	...	...	41	-8.320	+2.864	-4	°B	...	81	+36.841	-19.496	1.60	44.10328	8.8
...	56.065	-37.206	-4	...	...	...	8.100	+18.986	-5	M	...	...	38.175	+6.247	-4	...	...
S*	55.979	-5.896	-2	...	...	...	7.716	+26.389	-4	...	...	...	38.651	-10.029	0.70	...	...
...	55.317	+17.791	1.70	43.9730	7.6	...	7.483	+15.187	-1	...	...	...	39.017	+52.571	-5	...	...
S*	52.838	-38.590	-4	...	...	...	7.466	-49.105	-5	...	...	...	39.230	+33.634	0.75	...	...
...	-51.147	-23.981	1.00	44.10316	8.9	...	5.307	-51.901	1.00	45.10421	9.5	...	+42.383	-40.335	-5	...	...
...	48.218	+12.547	-1	...	...	...	2.415	+14.269	1.20	43.9742	9.2	...	45.201	-21.184	0.70	...	...
...	46.645	+28.983	-3	...	...	S*	2.313	-24.421	1.60	44.10325	8.8	...	46.630	+3.697	-4	...	...
...	45.016	+35.900	1.00	43.9731	9.3	...	0.324	-44.763	-3	...	...	S	49.245	-46.111	0.95	44.10329	9.9
...	42.955	+45.236	0.80	...	...	...	0.468	-38.672	-5	...	...	...	50.930	+28.154	0.70	43.9748	9.9
11						51						91						
S*	-42.574	+35.449	1.00	43.9732	9.4	...	+1.450	-1.634	0.70	...	...	...	+51.027	-12.256	-1	...	...
...	41.790	+56.651	1.00	43.9733	9.5	S*	2.331	+33.070	1.80	43.9743	7.9	S*	51.164	+57.909	1.40	43.9747	9.4	
S*	39.675	+36.602	1.60	43.9734	8.4	...	2.393	-25.166	0.70	...	...	...	54.937	-14.179	-5	...	...
...	39.035	-45.334	1.50	44.10317	8.6	...	2.922	+26.587	-5	...	...	...	56.340	-9.914	-1	...	...
...	37.357	+31.684	-5	A	...	...	7.150	-33.978	-2	...	...	...	56.842	-56.172	-1	45.10430	9.8
...	-35.329	+15.690	2.00	43.9736	7.2	...	+9.378	+25.888	0.70	...	...	...	+57.005	+35.816	0.70	...	...
...	34.376	+9.943	0.70	...	...	...	10.402	+11.624	0.80	...	...	...	57.518	-21.380	0.75	...	...
...	32.557	+5.287	1.10	44.10318	8.9	...	10.958	-1.865	-5	...	...	...	* 58.175	-11.843	1.00	44.10330	9.4
...	32.166	-17.621	-5	12.149	-42.006	0.70	58.430	+14.263	0.90	43.9750	9.9
...	31.790	+39.467	0.80	14.870	-22.991	0.75	58.717	-12.083	-4
21						61						...						
...	-30.305	-29.045	-5	...	...	...	+15.765	+29.333	0.70	...	...	...			
...	29.976	+20.411	-4	...	...	...	15.832	+53.068	1.05	43.9744	9.9	...					
...	26.801	-41.972	1.15	44.10319	9.0	S*	15.840	+38.527	1.50	43.9745	8.6	...						
...	25.613	+36.295	1.70	43.9737	8.4	...	16.078	-19.552	-5	...	...	...			
...	25.496	+51.425	0.85	...	...	...	16.834	+35.176	-5	...	...	...			
...	-24.836	-39.457	1.30	44.10320	8.6	...	+20.031	-38.740	0.80	...	...	...			
...	22.987	-14.791	0.75	44.10321	9.6	...	20.280	-15.551	0.75	...	...	...			
...	20.557	-10.468	1.10	44.10322	8.6	...	20.804	+32.415	0.70	...	...	...			
S*	18.734	+19.516	2.80	43.9738	7.0	...	21.286	-12.040	0.70	...	...	...			
...	18.432	-49.155	0.80	44.10323	9.6	...	23.280	-59.659	1.15	45.10425	9.2	...						
31						71						...						
...	-17.674	-38.937	-5	...	...	...	+25.036	-39.237	-5	...	...	...			
S*	17.259	+53.440	1.60	43.9739	8.4	...	25.574	-24.618	0.70	...	...	...			
S*	16.197	-8.987	2.20	44.10324	7.8	S*	26.009	-15.330	1.60	44.10326	8.4	...						
...	15.111	+47.654	0.85	...	...	...	27.678	+51.012	-4	...	...	...			
...	13.832	+28.930	1.00	43.9740	9.3	...	30.237	+3.386	-5	...	...	...			
...	-12.961	-42.274	-5	...	...	...	+30.546	-56.220	0.75	...	...	...			
...	12.786	+24.845	-5	M	...	...	34.470	-14.397	1.50	44.10327	8.8	...					
...	12.299	+52.948	1.15	43.9741	8.9	...	35.020	+40.686	1.00	43.9746	9.8	...						
...	10.638	-7.859	0.70	...	...	...	35.557	+17.416	0.70	...	...	...			
...	9.328	-51.159	0.90	...	...	...	36.049	-13.803	-4	...	...	...			

ES measured from 1.
NM " " 50.

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
1-40						41 80						81-116					
I	-58.521	+57.790	1.30	43.9747	9.4	41	-20.192	+25.825	-5	...	...	81	-14.799	-5.166	1.05	44.10350	9.4
...	57.858	+28.066	-2	43.9748	9.9	...	18.951	-57.239	-5	...	...	...	15.002	-3.847	-3	...	...
S	57.254	-46.235	0.80	44.10329	9.9	...	18.783	+53.750	-5	...	...	S*	15.957	9.157	1.20	44.10351	9.2
...	56.514	-12.330	-5	...	...	S*	17.202	-31.444	1.60	44.10340	8.4	...	18.559	-16.848	1.15	44.10352	9.2
...	52.528	-14.137	-5	...	...	...	16.548	+9.662	0.80	43.9755	9.9	...	19.488	+36.154	0.75	...	...
...	-52.310	+41.931	-5	...	...	...	-16.166	+2.502	0.70	...	...	...	+20.048	-25.027	0.80	44.10353	9.9
...	52.006	+35.891	0.65	...	...	...	16.013	+35.003	0.70	...	...	S*	21.374	-40.620	1.40	44.10354	8.4
...	51.271	-9.835	0.65	...	...	...	15.969	-6.580	-1	...	...	...	22.751	-44.381	-4	...	...
†	49.932	+14.394	0.80	43.9750	9.9	*	15.600	-8.380	1.60	44.10341	8.6	...	22.973	+45.177	-2	...	...
...	49.750	-21.268	0.70	...	...	...	14.528	-55.285	-5	...	...	...	25.645	-14.784	-5	...	...
11	...	...	...	...	...	51	...	...	...	...	...	91	...	...	...	...	...
*	-49.385	-11.715	1.10	44.10330	9.4	...	-14.290	-55.792	-4	...	...	...	+26.497	+34.605	-3	...	...
...	49.375	-56.063	0.95	45.10430	9.8	...	13.958	+7.436	0.80	44.10342	9.9	...	27.071	+50.163	-3	...	...
...	48.829	-11.950	-5	...	...	...	13.492	+19.618	0.70	...	...	...	27.543	+47.857	-4	...	...
*	44.989	+8.673	1.00	43.9751	9.7	...	10.778	+34.921	0.70	43.9756	9.9	...	28.288	+33.533	0.65	...	...
...	44.430	-40.200	-1	...	...	...	10.457	+32.568	0.70	...	...	...	28.634	-1.041	2	...	...
...	-42.729	-23.459	-5	...	...	*	-7.004	-40.628	1.05	44.10343	9.6	*	30.085	+27.512	1.05	43.9769	9.4
...	41.294	-20.035	-5	...	...	...	6.169	+27.822	0.65	...	...	...	34.019	-8.973	-4	...	...
...	40.056	+27.750	-5	...	...	*	5.922	+45.763	3.20	43.9757	6.3	...	36.007	+45.367	-4	...	...
...	39.313	-28.140	0.80	44.10331	9.9	S†	3.320	+49.904	4.70	43.9758	5.4	...	36.709	-47.596	-5	...	...
...	38.035	-40.043	0.80	44.10332	9.9	...	2.555	-14.529	-5	...	...	*	37.907	-10.812	1.20	44.10355	8.8
21	...	...	...	...	...	61	...	...	...	...	...	101	...	...	...	...	...
...	-37.869	-8.654	0.70	...	...	...	-0.587	+24.971	0.95	43.9759	9.6	...	+39.506	-13.788	-3	...	...
...	37.536	+47.698	-2	...	...	...	+0.334	+27.254	-2	...	...	...	42.053	-29.328	0.85	44.10356	9.9
S†	37.164	-59.592	1.05	45.10433	9.6	S*	0.403	-47.975	1.00	44.10344	9.4	S†	44.863	+34.243	1.05	43.9770	9.2
...	36.992	+54.832	-1	...	...	...	2.471	+40.734	0.70	...	...	*	46.066	+5.462	1.20	44.10357	9.0
...	36.944	-46.030	0.80	44.10333	9.9	*	3.186	+40.872	1.10	43.9761	9.2	...	46.097	+46.043	0.65	...	...
S*	-36.038	-8.709	2.10	44.10334	7.8	*	+3.494	+17.764	1.00	43.9763	9.4	...	+46.125	+33.926	-4	...	...
...	34.238	-6.378	0.65	...	...	...	3.573	+33.399	0.80	43.9762	9.9	...	51.103	+49.282	1.00	43.9771	9.2
S†	33.799	+30.166	1.00	43.9752	9.6	*	4.368	+18.851	1.30	43.9765	9.0	S*	54.644	+10.720	1.60	43.9772	8.5
...	33.196	-50.434	0.80	44.10335	9.9	x*	6.929	-0.054	1.80	44.10345	8.6	†	54.772	-26.522	0.90	44.10358	9.7
...	32.992	-15.367	0.80	44.10336	9.8	...	8.192	+15.729	-2	...	...	...	55.483	+39.853	0.95	43.9773	9.8
31	...	...	...	...	...	71	...	...	...	...	...	111	...	...	...	...	...
*	-32.860	-10.019	1.50	44.10337	8.8	...	+8.532	+33.064	0.90	43.9766	9.9	...	+56.640	+48.631	0.95	43.9774	9.8
...	32.383	+19.527	-4	...	...	...	10.481	+6.901	0.75	44.10346	9.9	...	57.985	+30.210	0.70	...	...
...	32.272	+42.921	0.75	43.9753	9.9	*	10.542	-15.505	1.60	44.10347	8.6	...	58.282	-4.716	-5	...	...
...	30.550	+22.462	-3	...	...	...	10.677	-39.247	0.75	44.10348	9.9	...	58.362	-43.821	-4	...	...
...	29.622	-48.491	-5	...	...	...	12.065	-33.529	-4	...	...	...	58.459	+7.179	0.90	...	...
...	-29.570	-47.375	-5	...	...	...	+12.860	-47.353	-3	...	...	S*	+59.323	-26.278	1.30	44.10359	9.0
...	27.127	-23.109	1.15	44.10338	9.4	...	12.901	-43.373	0.70	44.10349	9.9	...	...	...	...	...	...
...	23.807	-19.839	0.80	44.10339	9.8	...	13.569	+43.481	0.70	...	...	...	...	...	...	...	...
...	21.646	+41.366	-5	...	...	S*	13.624	+18.735	1.25	43.9767	8.6	...	...	...	...	...	...
...	20.721	+30.358	1.00	43.9754	9.8	...	14.457	-31.280	0.70	...	...	...	...	...	...	...	...

NM measured from 1
ES 62.

1-10						11 20						21-30					
I	-58.301	+49.169	1.10	43.9771	9.2	11	-47.444	-8.220	-4	...	...	21	-34.167	-57.214	0.70	...	...
...	53.643	+39.877	1.00	43.9773	9.8	*	46.782	-9.963	1.10	44.10360	9.6	...	33.692	+33.352	0.8	43.9777	9.9
S*	53.588	+10.725	1.60	43.9772	8.5	*	43.946	+17.476	1.30	43.9775	9.0	...	28.065	-23.298	0.65	...	...
...	52.764	+48.682	1.10	43.9774	9.8	...	43.646	-7.092	1.00	44.10361	9.8	...	26.702	+1.503	0.7	...	...
...	52.345	-26.489	1.00	44.10358	9.7	S*	40.997	+35.373	1.40	43.9776	8.6	...	20.342	11.912	-5	...	...
...	-50.849	+30.307	0.70	...	...	...	-39.411	-13.683	5	...	...	...	25.967	12.307	5	...	...
...	49.686	+7.300	0.70	...	...	...	38.109	-56.594	1	45.10460	9.8	...	25.798	-23.990	2	...	...
...	49.504	-4.597	-3	...	...	...	37.532	+42.122	-4	...	...	...	25.208	-0.045	0.65	...	...
...	48.246	-43.684	-1	...	...	...	34.547	-4.950	0.90	44.10363	9.9	...	24.452	+13.480	0.70	...	...
S*	47.813	-26.102	1.10	44.10359	9.0	S*	34.211	47.874	1.10	44.10362	9.2	...	23.245	-34.802	1.00	43.9778	9.8

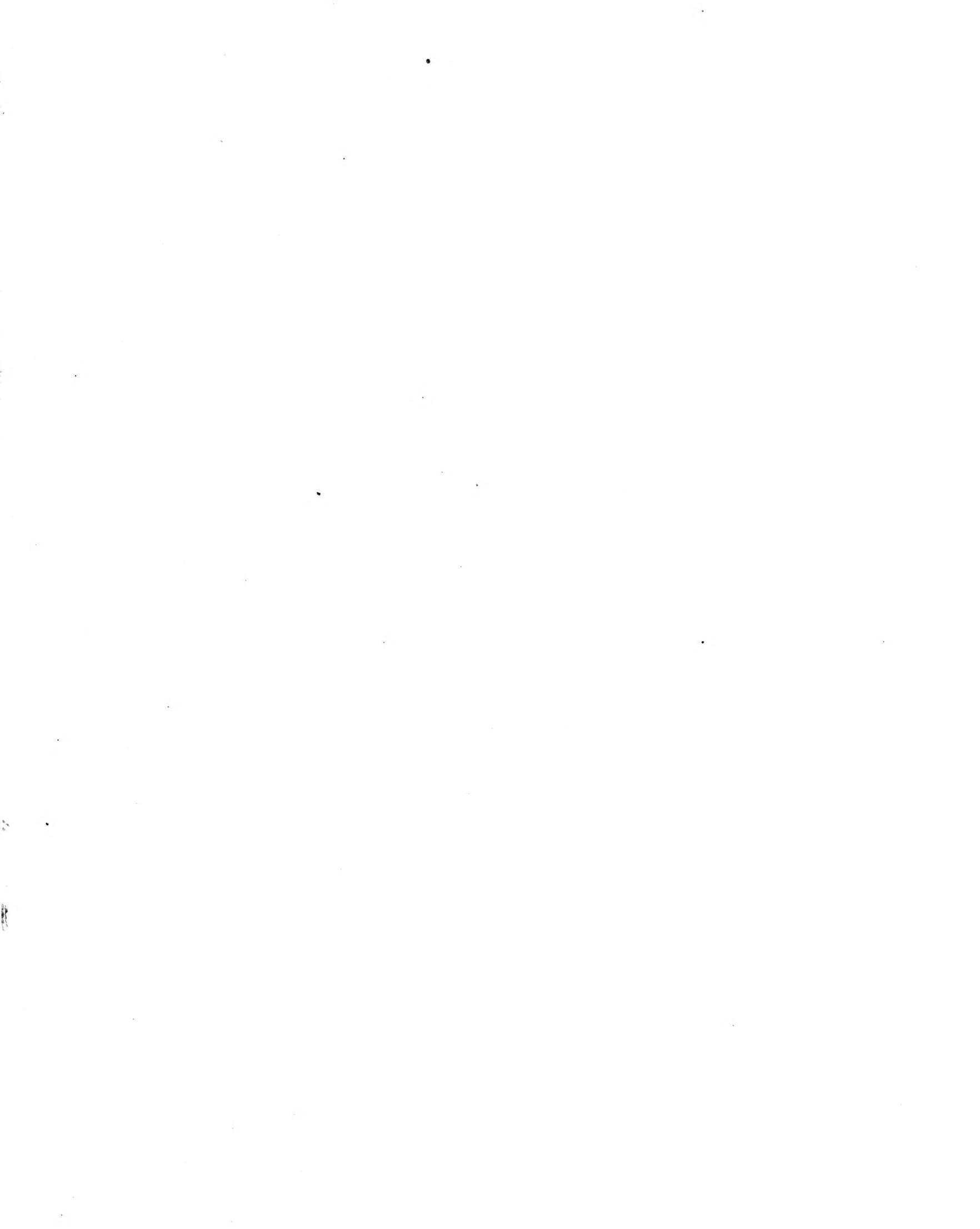
ES measured from 1
NM 46

Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.		Notes.	Co-ordinates.		Diam.	C.P.D.	
	x.	y.		No.	Mag.		x.	y.		No.	Mag.		x.	y.		No.	Mag.
31-50						51-70						71-90					
3I	-22'408	-29'915	-5	...	...	5I	+9'139	+16'352	-5	...	...	7I	+32'346	-50'196	-5	...	...
...	18'530	-51'725	-2	...	...	...	9'252	+8'223	0·80	44.10367	9·9	...	32'355	-43'346	-5	...	...
...	17'611	+54'185	-1	...	...	...	9'474	+54'507	1·30	43.9784	9·7	...	32'971	-20'902	-5	...	...
S*	16'088	+11'874	1·00	43.9779	9·4	...	9'658	-28'513	-4	...	...	...	33'352	+29'666	-1	...	...
S*	15'049	-9'371	1·40	44.10364	8·4	...	10'005	+15'849	-3	...	...	S	34'069	-50'633	1·00	44.10372	9·9
...	-13'805	-19'180	-4	...	...	...	+11'982	-38'363	0·95	44.10368	9·8	...	+36'458	-50'460	-5	...	...
S†	11'212	+25'148	2·30	43.9780	7·3	S*	12'318	+11'428	1·25	43.9785	9·2	...	37'284	+43'153	0·80	43.9786	9·9
...	10'105	+37'357	0·70	...	...	...	12'761	+4'041	0·90	44.10369	9·8	S*	37'508	+14'177	1·05	43.9787	9·6
N	7'227	-12'743	-5	...	...	...	13'194	-57'283	0·70	45.10472	9·9	...	38'540	+39'123	0·70	...	...
...	6'743	-57'265	0·80	45.10466	9·9	...	14'634	-17'321	-5	...	...	...	41'017	+21'393	-4	...	...
4I	-5'538	+56'332	0·90	43.9781	9·9	6I	+16'386	-20'192	-5	m	...	...	+41'998	-6'498	-5	...	...
...	3'832	+24'318	-5	M	...	...	16'902	-22'193	-5	...	...	...	43'166	-36'971	-5	...	...
...	3'031	-42'348	0·80	44.10365	9·9	...	16'928	+24'179	-5	...	...	...	44'487	-16'364	-5	...	...
†	2'843	-24'688	-3	...	...	...	17'531	+22'169	-5	...	...	...	45'401	-1'192	0·90	...	...
...	-2'487	-32'828	-3	...	...	*	18'651	-0'337	1·50	44.10370	8·8	*	45'418	-1'312	1·60	44.10373	9·0
...	+3'460	-15'981	0·70	44.10366	9·9	...	+20'016	-45'114	-1	...	...	...	+46'818	-5'229	0·70	...	...
...	3'589	+52'115	0·70	43.9782	9·9	S*	21'103	+52'531	-3	...	...	...	48'825	+9'203	0·80	43.9789	9·9
...	6'855	+22'281	-5	...	...	...	25'748	-8'781	1·00	44.10371	9·7	...	55'273	+23'082	-1	...	...
...	7'633	+24'042	-5	m	...	...	28'517	+56'688	-2	...	...	...	56'036	-30'244	-5	m	...
...	8'721	-31'370	0·70	...	...	...	30'431	+44'658	-5	...	...	...	57'232	-40'887	-5	...	...

39. Mass. 45°·142, two stars.

1-30						31-60						61-85					
I	-59'366	+9'027	0·85	43.9789	9·9	3I	-15'430	+21'718	1·10	43.9798	9·6	6I	+20'504	-51'642	0·90	45.10496	10·2
...	53'332	+23'099	-1	...	...	...	15'198	-18'556	0·70	...	...	S†	24'060	+59'851	1·90	43.9805	8·5
...	49'485	-22'441	-5	...	...	...	12'606	-56'107	1·15	45.10489	9·8	*	24'455	+24'489	1·30	43.9806	9·2
...	49'463	-40'793	-5	...	...	...	11'954	-6'824	0·85	44.10378	10·2	*	25'518	-59'481	1·40	45.10499	8·6
*	47'098	+20'777	1·10	43.9790	9·6	S	8'888	-29'669	1·00	44.10379	9·6	...	26'432	-38'349	-5	...	...
*	-45'626	+6'129	1·10	44.10374	9·5	...	-8'078	+58'110	-5	...	...	...	+27'338	-24'745	-1	44.10387	10·2
...	42'954	-29'988	-1	...	...	S	6'878	+36'382	0·95	43.9800	10·2	...	32'569	+1'837	-2	...	...
...	42'817	-9'453	-4	...	...	...	6'495	+36'763	0·70	...	...	...	32'994	-29'381	-1	...	...
...	42'733	+25'332	-5	...	...	...	4'946	+11'740	0·75	...	...	...	33'852	+8'188	0·75	44.10388	10·2
S*	42'109	-8'632	1·70	44.10375	8·5	...	3'524	+4'346	1·00	44.10380	10·0	S*	34'583	-29'484	1·50	44.10389	8·4
II	-39'464	+31'094	1·00	43.9792	9·8	4I	-2'361	+57'251	-4	...	...	7I	+35'368	-45'121	-4	...	...
...	39'149	+0'885	-1	...	...	...	2'246	-47'909	-4	...	...	...	38'159	+31'346	-3	...	...
*	38'857	+40'896	1·15	43.9793	9·7	...	-0'181	+17'414	-1	...	...	...	43'164	-16'119	0·75	...	...
*	38'240	+19'642	1·40	43.9794	9·2	...	+0'886	-5'889	0·75	44.10381	10·2	...	45'996	+23'993	0·95	43.9808	10·2
S*	37'683	+46'034	2·00	43.9795	7·6	...	5'523	+18'699	0·95	43.9801	9·6	*	48'324	-17'611	1·00	44.10390	9·8
...	-37'132	+4'366	-5	...	...	...	+7'571	+39'968	-2	...	...	...	+48'418	-40'230	1·00	44.10391	9·8
...	37'121	+1'115	-5	...	...	...	8'466	-33'997	0·75	...	...	...	49'423	-30'760	-1	44.10392	10·2
...	36'180	-26'148	-4	...	...	S*	8'732	+35'733	1·80	43.9802	8·0	...	49'606	+20'222	-2	...	...
...	31'704	-17'307	-3	...	...	...	8'763	-49'121	0·65	...	...	...	54'499	-2'149	-4	...	...
...	30'814	-36'709	0·80	...	...	...	9'420	+41'694	-2	...	...	...	54'796	-10'218	1·20	44.10393	9·0
2I	-30'645	-49'450	1·00	44.10376	9·7	5I	+10'431	-53'841	1·00	45.10493	9·8	S†	+54'922	-51'106	2·90	44.10394	6·8
...	25'250	-47'316	0·70	...	...	...	12'549	+19'093	-3	...	...	...	55'554	-52'872	1·05	45.10504	9·4
†	25'016	-14'801	-1	...	...	...	12'692	-19'307	0·90	44.10382	9·6	S*	56'252	+4'437	1·70	44.10395	8·2
...	24'080	-40'705	0·70	...	...	S*	13'097	-45'075	1·10	44.10383	9·2	...	57'893	-41'657	-1	...	...
S*	22'160	+1'598	1·05	44.10377	9·2	...	13'785	-28'378	-3	...	...	...	58'168	+4'803	0·90	44.10396	10·2
...	-21'274	-13'641	-4	...	...	*	+13'804	-28'148	1·00	44.10384	9·8	...	...	...	...	...
...	20'759	+56'192	1·00	43.9796	10·2	S*	14'434	+9'195	1·40	43.9803	8·6	...	...	...	...	...
...	19'619	+37'264	0·80	43.9797	10·2	...	16'356	-23'880	0·85	44.10385	10·0	...	...	...	...	...
...	17'261	-43'646	-5	...	...	...	17'564	+37'686	0·85	43.9804	10·0	...	...	...	...	...
...	16'443	-1'336	-5	...	...	*	18'387	+6'442	2·00	44.10386	8·0	...	...	...	...	...

NM measured from 1.
ES " " 44.





University of Toronto
Library

DO NOT
REMOVE
THE
CARD
FROM
THIS
POCKET

STORAGE

Acme Library Card Pocket
Under Pat. "Ref. Index Filr"
Made by LIBRARY BUREAU

